

<210> 32395  
<211> 612  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32395

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gtatcacatc ntcgactact acagangaat tctaacncgt acgcgaggat cctatagagt 180  
ctacctgcac gcatgcatac ttgtataaaag atatatgtcc gatctactat gcaacgatga 240  
agggctttac aggtatgaaatc gacaacacca ataaagaatc gactgacgca agctaactga 300  
tcaaataata cctgccacgt agagcaatag tagttaaatt cccgcccccc ccgcacatcg 360  
cattgctgca aatatggagg ataaagctca gatattcgcc ccaataacat aggaaactta 420  
ccatagcaat gtccaaccac tggcttacta actccatctg taccgcatac atgacacacctc 480  
cgctaaatct cgtttctatc cacaaccgag tcataaccaa gcgcacataa tgccgcacccg 540  
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agtctacaac cg 612

<210> 32396  
<211> 494  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32396

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ctctctatgc agatcattct cacggacagc tacgctcaga caaactctga ctgagatccg 180  
tcatgccata agagacgata ctgccactta cagtttaat gcctcatgac atattgtAAC 240  
tccccaaat gcctaatctc aatgaccacc ttacctaact tacttcggac tatccgcata 300  
gaacgaacac ttataggct gtcccaaccc caccggaca cactacatgc tataatagg 360  
aanatcctaa cataacataa taatggacga tcaatacctc tataatggaaa tcacccatga 420

caccccccgg acaagcgata tatctatcga acactggact cttactcacg aaacgccatg 480

gtgttcccg accg 494

<210> 32397

<211> 369

<212> DNA

<213> Glycine max

<400> 32397

agctctgatc caaaatcctg actcaccata aaccttgacc cagggtgaga atgtcaattc 60

ttaccctcgg aagcaaaata aaaaaggggg agagggacaa tttccaatca aagaggaagc 120

aaaaaaggag agaaggaaaa tttcacccc acgaaaagaa gagaggaaag ggaatttcca 180

atcaaagagt gcgagatgc aaaagaaaag aacgaaattc ccaatcaaag atggaaaaag 240

aataatgaga ggaggagaag gaaagaaaact cctgacaatg atcgacagaa acagagaaaat 300

ggcagagagt ctctgaccag acatatctga acaatacaga attgtaccaa tgaacaaaaa 360

aagaaaagga 369

<210> 32398

<211> 409

<212> DNA

<213> Glycine max

<400> 32398

tgcttggtga gcttctatgg aggctggatc tttgagcttc aatgggtcc ttaatggtg 60

atttccacc atggagatgc agcggaaagat aaaggaaaaag aggtgagagg aggccatc 120

cattaaggaa taagccatgg aagaaggagc ttcaccacca agatgacccct tggataagaa 180

gcttggagat gatgctcaa tggaggaaaa gaaagagaga ggggggagca cgacattgaa 240

ggaataaaaag agggagagaa gtggaaacctt gaagtgcgtc tcataagaat tctctcatca 300

tagctgcaca agtgttacac atgcttctat ttatagacta cgtagcttc ttgagaagct 360

tctttgagaa aacttccttg acaagttaca gcttagctac acacaccca 409

<210> 32399

<211> 206

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 32399

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ccctatctca ataataataca ctcccttccc tctcccacaa cacacataat gataaatgg 180  
ctattaatga attgatgacc atgtgt 206

<210> 32400  
<211> 368  
<212> DNA  
<213> Glycine max

<400> 32400

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gattcaagat gatggacta tgtgccttgt ccaccattgt cttcctttat gcttcaaaca 120  
ttttgttctg aatagctttt tctccaccca atatctgate aagatcttgt gtaacaagca 180  
acacctacat cttcaatctc tatattccac aatcattttt tcctgcgaat ttctccacat 240  
cagactttgt agttgccata atcaccttgt tgaaccaacc ttttagatac aatcgccgc 300  
caacacttgt cacaatcaca actatttgat taacttcacc caaataaatac ttactctatg 360  
ataaaaaaa 368

<210> 32401  
<211> 373  
<212> DNA  
<213> Glycine max

<400> 32401

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ttaccctcgg aagaaaaaaaaa agaaggaaaaa tttcaatca aagagaaagc aaaaaaagag 120  
aaggaaaaatt tccaatcaaa gaggcccaca ccacagagag aaggaatatt tccaatcaaa 180  
ggaaaaaaaaa aagacgaaat gaaattccca atcaaagagt gggagaaagc gaatagataa 240  
gaaagaacat tcccaaccaa agagtggag aaagtaatag gaagggaaaga aagctcctga 300  
tcaaggatcg aaagaaaatca gaagatatgt gcagaaaggt cttggaccg gacaatatct 360  
gtacaataca gaa 373

G C E T D E S O P E

<210> 32402  
<211> 342  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32402

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ctatttcag attggaaatg cctctaacag caccttgc aatgatttc ttcatgcctc 120  
ttaagagcag atgtccaaat ctggatgcc atatttgac ttcatcttct ttggaggata 180  
gacatgtgga ggagtaactg gtttcttgag gtgtccatac gtaacacttg tcctttgatc 240  
tgctgccctt cattagaact tcactcttct cattcgtnca caagcccctg actttgtgaa 300  
gttacattga atccttcatc acacaactga ctgatgctga tc 342

<210> 32403  
<211> 241  
<212> DNA  
<213> Glycine max

<400> 32403

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aatcgtgatg acaaagggtga tgacaaaaag ctcaaagatc aatcaaagaa caactaaagt 120  
gaaccaagaa caattcaaga gtccccatca gaatcaagat gagttcacgt ctcaagaaga 180  
aagtcttagag acaagaatta agattcaagg gtcacagatc tcaagaatca agatcaagat 240  
t 241

<210> 32404  
<211> 349  
<212> DNA  
<213> Glycine max

<400> 32404

tcaccactat ctcttgatgt tacaatagtt gaccatgacg gacttggtag cgtaactcgac 60  
acgagagaat gacgttggtg agcacgggga gcgaggatcg aacagtgcta actgatgcac 120  
tactacaatt tatgatataa cgattgacgg ttaacatgag ttattcacaa aagcgatggtt 180

aacaaaagcg cgaggccatc attgtagtaa gaataacttac tgaacatcag ttacgtgcaa 240  
gaacctttat gtcttctaga caaggttaaga gttttacaaa aaatccttc tctcttatga 300  
cagaaccaca acactgagtt gatgccagtg tcaataagtc atcttgatt 349

<210> 32405  
<211> 411  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32405

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ttgcgtatcat tttttctat tttttctaat ttgcgttttg cttgatcatt tatgaggaaa 120  
tttagttgtga aagataatga atcaaaaaact acatatatataaaaatgattt taaaaaaatta 180  
tctcaaaaaa ttaaagtcaa aacttttgac gacaataata aatatatata tatatatata 240  
tatatatata tatatatata tatatatata tattatctat catgatttat 300  
agtatattat aataagacta gaatatatat tcttattact tcattttct ttaccaagag 360  
atataaaaaat actctctatt attcattct ttattactaa atgtacatac t 411

<210> 32406  
<211> 453  
<212> DNA  
<213> Glycine max

<400> 32406

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aatctgcctg aatgagacac tttgagagac agacatttcc atatagacta gccatagcct 120  
caaggacacg ctcttgaatt agtttgttgcctgaggctt taaaagagtt actagaatat 180  
cctctatctg agttgcataa aatgtttct catcaacatc aacttttcc tcaaagacca 240  
tgagtgtata agcaagagcg ccaatttat caccaactgg tgcctacggc gaggagaacg 300  
gaaagttctc caagatata tagttaaagca gacatgccac cacagatatt ggctaaagct 360  
cgagttgcata gctcctgcag agcctggcca ccatcacctt gcatacactc attagaagga 420  
gcaactatag cttccataac gattggaata cca 453

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<210> 32407  
<211> 414  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32407  
  
agcttgtaat gttcccccaa tttatggtta ttggagtaa attntgtaaa taaatcttgt 60  
tttatggtta acactgtctc tagaacattt ccattggatt taatgatgga atctatgcat 120  
tttcaggtga aaaagaggct aagtttgca cgcaaaaagt agcagttggg ctaagcgcat 180  
atccaccgct aagcgtaaag gagaatctgg cagagcatca acatcaaagt tgcgcgctag 240  
gcgcgagatc agtgtgctaa gcgcagcagg tgccttcagc caggcttagc acaagactag 300  
cgctaaggct aattccactt actcgcgcta agcgcgaggg tggcgctaag cgcaaggctca 360  
tgaattntga gcctatttaa agcctgtttt gtgcaaaatt agggtacaga caca 414  
  
<210> 32408  
<211> 448  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32408  
  
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ggagagggtt accactactg gaaaacccga atgcaaattt ttattgaggc aatagatcta 120  
aatatttggg aagccataga aatagggcct tatataccca ccacagtaga aagagttaca 180  
atagatggta gttcatcaag tgaaagcata actatagaaa aacctacaga tagatggct 240  
gaagaggata gaaaacgagt acaatacaac ttanaagcca aaacctaata acatctgccc 300  
tggaatggat gaatatttca nggttcaaa ttgttaagagt gctaacgaaa tgtggacac 360  
tcttcgatta acacatgaaag gaactacaaa ttttacatga tctcngataa atacactaac 420  
tcatgagttat gaattattta gaatgaat 448  
  
<210> 32409  
<211> 149  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations

<400> 32409  
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ttcgcaatat ctaattctac tcttaagtta agtaaaatgt agtttcaat acgtgagatt 120  
atctgtttg gttgatgcaa gctgatgat 149

<210> 32410  
<211> 103  
<212> DNA  
<213> Glycine max

<400> 32410  
tattgtacaa attagttgt aggacatagt tgtgattcgg acttgtcgca acctaccctt 60  
cggcgagg gcgacgcccattcgcgtt gcctttcca aca 103

<210> 32411  
<211> 466  
<212> DNA  
<213> Glycine max

<400> 32411  
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aatgagcta tgaaatctga agttaatat tcaaattgatc aaagttgata aaaatgcaca 120  
cacaatgcct ctattttagt cctaagtgtc acacaaaattt ggagagaaat tagaatttct 180  
attgaaaact cacttgaatt tgtggagcca aactctggag ccaaaatttc tctaattatg 240  
attagtaat tatactatg gctcagccca ctaaattcaa gatcaagtcc aagattccca 300  
ctaactatgc ttagtggcat gaagcatgta aagcatgaag cacatgcaca tagtgtgact 360  
atatgatgtg gcaatgcgggt gtagcaagca aatgcttacc ttccaattca attaaatcta 420  
ttttcaaca cacacatcat atattcattt aatgcattgt aaatta 466

<210> 32412  
<211> 411  
<212> DNA  
<213> Glycine max

<400> 32412  
agcttagtaa agctaaggcac taacacattt ctcttgaaaa atgattgaaa atcatgtgaa 60

catgttataa cacattgtta actagggaaag ggtgggtctt tgggcacatc atctcaatct 120  
cataattaca tttgccatgc atagcatagc gtgcctaat cattcatctc tatgatatgt 180  
tgtcgaagta ttgacaatca aaatttcaat tcttggaaatt atggggtcga accaaggcaca 240  
tgcttttaag aaaagggttt catcaagtca aaatcaagta tggaagtaag tatgttgcaa 300  
aagttggggc agaagatgga tcgagttac atagcttctt tggctactac caacacatga 360  
ttgagctaaa taatttacaa aaattaagga ctttgatgt ccatgtttta t 411

<210> 32413  
<211> 467  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32413

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aataaaaagag ggagagaagt ggaacttga agtgttatctt ataagacttt cattcatcaa 120  
agttacaaca agtgttacac atgcttctat ttatagacta cgtagctctc ttgaaaagct 180  
ttcttaagaa aacttactta cgaagcttct ttgagaaaac ttccttgaga agcttagagct 240  
taactacaca cacgcacatcta aaaactaagc tcacccctt gagaagcttc cttgagaagc 300  
agagcttaac tacataaccc ctctaataac taagctcacc tacttaagaa gagaagctag 360  
agcttagcta cacaccccta taatagctaa gctcaccccc atgacaaaaat acatganaat 420  
acaaaaacaaa ttctactaca aagactactc acaatgccct gaaatac . 467

<210> 32414  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32414

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attttgtgga ccaaatttgg ctgcggccca gcagacaata gagttgcaac cactttctcc 120  
ctgaagatac aaatattaaa tcaaattcata agaaaatttt aattcaaagt tcaaacagtc 180  
tactttccc aaaatcatgc taaatccaca ttgattatgt taatgtgcac ctatgttag 240

ggaaaagaga aacagaaaag aacatgaatg gtgaaaccat gtcaaaaat gattgttagg 300  
tcaatgtagt tatagaaggg ctaatggttt aaacaagtgg gatgttgtg tattataacct 360  
tccacaatat gttgcccaat gaagagctgt ncatccacac ctatcac 407

<210> 32415  
<211> 376  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32415

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tgaggcaaatttccaccagg agaaggaggg aggaacccat gctgtgactg tcgttcctag 120  
atggccaaatttccaccagg ctcaacaata tcaatactca tccaatatta gcccttctca 180  
ttacccgcaa ccctatcaac caagaacact caatcatcca caaaggcaac ccctaaatca 240  
tccaatacaa aacaccaccc ttaacataaa cccaaacacc aaccaaggaa gcagtttca 300  
ccacagaaca tgtagaattt ccctcaattt tggtgtcgta tgctaactta ctccccatatc 360  
tacttaataatgcaat 376

<210> 32416  
<211> 389  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32416

agcttctcaa ggaagtttc tcaagaaagc ttctcaagga agctacctag tctataaata 60  
gaagcatgtg taacacttgt tgtaactttg atgaatgaaa gtcttatgag acacacttca 120  
aagttccact tctctccttc ttttctactt caatttcgtg ctccccctt ctttctttct 180  
tttcctctat taaagcatct tcttcaagct tattatccaa ggcaattttt ggcgggtgaag 240  
ctccttcttc cttggcttat tccctagtg atggngccta ccctctcctc ttctcctttg 300  
ccttccgctg catctncatg gttaaaatc accattgaag gacctcattt aagctcaaag 360  
atccagcctc cataaaagct ccacaatca 389

<210> 32417

G E N T O P

<211> 425  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32417  
  
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aagacatgtt aatttaattg aataataat gcgagtctt attaggaggt gtgattaatt 120  
cattaatat aataaatggg cggttatttc acggagtagt tgaagatttg atttattcta 180  
gactattact ttttgtgaa caactgacct caataactta agaggggtg aattaattaa 240  
atttaaaat ttcccgcta acaaattnta accccctttt aaatgataca tctgtccact 300  
cagaatgcag aagaagaaga agaaacaatc aatttaataa tgttcttta aatgcgcaag 360  
acaaagtaaa ctgcaataaa ataactgaga taagggaga gagaatcgca caatcattt 420  
  
atact 425  
  
<210> 32418  
<211> 287  
<212> DNA  
<213> Glycine max  
  
<400> 32418  
  
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tctcgtttg ttactttt ataccctctt ttgacgtgg cttagccatt ttaactaagt 120  
catttcttgc ttaacctaaa aataaacccc ttcccaccga atggtaat tggattatcc 180  
atuaacctcg ggtaaaatca actccgaccg cggtcgccca tgccgtaccc acgttgaaa 240  
ccaaaggagg taaaaataa tataatattc aaaaatatct ctttatt 287  
  
<210> 32419  
<211> 410  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32419  
  
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tgtgatcatc ttttctctg tcattgaagg tgccacttga gctgtcaagt ccctccaccc 120

ctggcgat tccttgaatg actcatgctc tttttacac atgtttgta gttgcgttct 180  
atccggagcc gtatcataat tgtactgata ttgcctaacg aaggcaacca ttaagtcctt 240  
ccaagaatag actcgggaag gctccaagtt agtgtcatac cctaatttg ctcgcgatta 300  
ttacttgcga catgcaacct ttgattgcgc gttcaagat acttgcgcac ctttggca 360  
caatatgtaa gtcttgagac gcaccggaag tcacaaggag cagggttatg 410

<210> 32420  
<211> 404  
<212> DNA  
<213> Glycine max  
  
<400> 32420

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cacctctaat tatttccacc gcacaaaatc tgcaactataa agtccatcac ctccctttgt 120  
attcaccaaa tagactatta gaccacaggt ccaagactga ccctaatcac actttataat 180  
tatTTTTT tcgtgttggc atatttcctt tttctaaact ttttgccttc ttttgggg 240  
tggcagatcc atgagccaga atacaaaatc acattcatgg gccttcgttg cagatctact 300  
tgggttggaaat tcattgatcg tgtcttatat tactttacc ctctgttta tgctttgtct 360  
taccctttgc ggaaccatgg ccaataaaaca tcttcaacga ccat 404

<210> 32421  
<211> 432  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32421

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gatgttatca acaactcaga ataattcttt ttggccatc ctgcgtttt cgaactagcc 120  
aatggaatgt cattataggt acatgaccca ctttctattt gatgtatgtt ctttcaattt 180  
gaaattgggt tgagatctag agaaaaaccaa caactaaact cacccatgta atgtactcca 240  
tttatttaat gtgcttaaat tatcagttct taatttggaa tatagtctct attcaatgtat 300  
tnaaaaatgtt atattgtatt tttcaattaa ataaaaagct ataaattttat ttctgaatcc 360  
taatcaatat ctaattctcg tggtgcctt taataacttt tcttttcgt tgagccttac 420

ttaacacaaa tt

432

<210> 32422  
<211> 358  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32422

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acagttaaca accgtcttta tatctaattgt cattgaaagt taagacttt cacgacagtt 120  
ctcacaaaac catcgtagaa aaccactct cctaagacga ttctttgtt agaaccatct 180  
aagatagtat atattctaaa aagaaccgtc ttacgaaaa atcatcttag aatgtataacc 240  
ttctaagacg tttcttaaaa agaaccgcct tataatgttc gatcctgttag agaatgaatt 300  
ctgtggctac acttactagt gacaccagtt cgtaattatg tggttacacc aacatttc 358

<210> 32423  
<211> 284  
<212> DNA  
<213> Glycine max

<400> 32423

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tcttcctcgg ctgatacgat gaccagatgc acttccacta cgaatatgaa ctcttggtgg 180  
agcgttagagg gaacaaatct cactgagtgg atccacgggc gccccaaacag acatctgtaa 240  
gggggggctta atatcgatta tatggaaagt aacttgacag gtgt 284

<210> 32424  
<211> 405  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32424

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atatggagaa aaatgtgttt ttagtcttta tattttgggt aaaatataat taagggttct 120

gtaccttat attgataaat ttaatttcc caactctaaa cggcgtgtat ttaatcttt 180  
ttatttctaa gatttcatta tatttttaa agctattata tccataaatt gttaatccca 240  
tcgataactaa ttgcgtatcta ctatataaaa atctcgattt aagctgcgaa agaaaaaaat 300  
aacatgtaat cgagagacaa gattctctag aagcgattag tcacttatac aaagatcaat 360  
atcagcaaaa ttagtgaata ttcatataa atactatgct aaaat 405

<210> 32425  
<211> 462  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32425

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cagaaacata atataataag agttcttatt taataaaat ttttaattaat tatataactaa 120  
tacatcctaa ataagtaaca gggactgcta gctgcaataa cgtgtgtcga tgaagaatgg 180  
atattgttgg atgcctgcta cattagaatc gcctatggcg ttgaacgctt atttaatatg 240  
aattttataa taagcgtggg aaaaatatta atttataata atataaagct tttnttcgca 300  
gattacatgt accattacaa taatttaata cacatgttgc aattatagag aaatacatat 360  
tcgtattcat acataggggt gagaataggc caggccaggc tttgaaaggc ctgagcttag 420  
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<210> 32426  
<211> 345  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32426

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tctcctcttt gacatctgcc gatccttctg gaaggttct gacantgtg aaatccccca 180  
gaatgcacca caatcctcca ttatgagaac tttntagttc ctatgttc tcccatagac 240  
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345

<210> 32427  
<211> 430  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32427

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tgtatcacac aattatggct tttctctaatt gaaaacactc ttgcctttta ccactctaatt 180  
tccccttgag ttcttaagca attcaagaga ttatggccac agcaaagaac aattcaccaa 240  
tatgtgttaag gtaaggctag agagacaagg aaaaggtaa ccaagaaaaa ggctaacctg 300  
cctctaggca caatgaagga aataaaattt agaatttaag aattcaagta acaatccttc 360  
atacaaccaa tatattacct tanagagatt ntttttttta aaacanaagt tcttcaagca 420  
tgaaccattc 430

<210> 32428  
<211> 411  
<212> DNA  
<213> Glycine max

<400> 32428

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tatatttggc aactctgtcc ttttctaact ctggagaatg cattgaagac aaactttatg 180  
ttttgtctgt taatgcagtt gcgtgttagtg cacacgtagt actcttgcac acgtgtcact 240  
cgtggagtgg gcacgtacta aatacgtgtt gcgtgggata tgaagttgtt ttgtggtctc 300  
ctcttgcag tgaccaccgt cacttcaaatttctatcttc tttctctcga agtataagtt 360  
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<210> 32429  
<211> 469  
<212> DNA

<213> Glycine max  
<223> unsure at all n locations  
<400> 32429

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tccttaagga attttggagc tttggaattt ttttggaaat aagtgtgggg gtttttgt 180  
ttcattggac aacttgtttt gttggctatg cttcatgatg tatttgggc catacttgat 240  
gtacattgtt tattggtaa atgttggaca tgctgaatga aatgtgttt ctcanagctc 300  
cacagtaaaa aataaaaaaa aatcgaaaaa aaaaaatcga ataaaaaaag aacaagaaca 360  
gcaataaaagt tgagtgaata agatcttaaa tggcacaaga atgatgaaac tctcggtct 420  
actcttcatg gttacatttt atcttactt ctcttttattt ttttcttaa 469

<210> 32430  
<211> 399  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32430

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accgggactt accaaatgtc acttgctcaa gggacccaga atcgaatccc acccaacctt 180  
gcgataggtg aaagagggaa atgtgaccat cgagtaaaca cttgaaagaa aaagtgttat 240  
tatttcatta atcaaataa ggatacatta ttccctgggt cgatggatg tgaccctcga 300  
gtatccctaa aacatcttaa caagaaaaga cctaattcatt atgcttgta tgacaacatt 360  
ntaatgtgtc ttaacaaagt aacatagagt gttaaagct 399

<210> 32431  
<211> 438  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32431

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caccattgaa ggactttatt gaagctcana gatccagcct ccatagaagc ttctcaagca 180  
agttccatc aagtggtatt agagcacaag atttcaagt aggtgctt ttaacctcaa 240  
ttaatttca gcttacctt ctttccatt gttgttctt cattttctc catcgctctc 300  
ctcacatgtc tgtgctgaat gttttaaca tgatntta gaatctccac cgattaaaca 360  
tgctatagaa gctagaattg atttctatg gttcacattc ctttgtctag ttcttgaacc 420  
atgaattgtg ttgagttt 438

<210> 32432  
<211> 363  
<212> DNA  
<213> Glycine max

<400> 32432  
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attgccaaa accaagcttg accaaccgga cccaacccgg gcatagtcag tcagtgagaa 180  
cctgtatgt acctaaacag gcgagctct ggaagtcaat cgataaaaga acaatgacca 240  
catagcaagg aggcttgtgt ggtggctggc cagctgtgaa tcttgagtga tatatggat 300  
aggccctt ggtatcgatt accgagggtg ggttagtcgat tacaaggctt ataagtgaag 360  
aca 363

<210> 32433  
<211> 391  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32433

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cacagaagag ctgtacctag tgccccata ttgcgcac caattgcaga cgcgatgtga 180  
tcatagccag gggcaatatc agtattctaa tgaccaagag tgtaaaaagg cgttcacta 240

caccattctca actgtttctg catgtttca cgaatcttgc gcattggac atgccccgc 300  
cttcatctca tacctgtaaa gtaacttaaa gtaaaaaata taccatca tcttcaagat 360  
atattgatgg taatatcgcc tcacatgatg a 391

<210> 32434  
<211> 248  
<212> DNA  
<213> Glycine max

<400> 32434  
  
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caacaagac aatatctata tgcattcccc cgactccgct tggttacaa tgatcgctt 180  
tatgaaacaa ttgacgattc catattttc atatataaaa agtcgtctca taaaaaatag 240  
ataatctt 248

<210> 32435  
<211> 433  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32435  
  
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agaagctcac caccatggcc tctatataata gcctaagtgt cacacaaaat tggaggaa 180  
tttgaatttc tattcaaatt tcacttgaat ttgaaattga atttgtggag ccaaaatttc 240  
actaattatg actagtgaat tctagctatg gttcagccca ctaatnnaag atcccctccc 300  
agattctcca taagtgtgct taagtgtcat gaggcatgta aagcatgaac gatgtgcaca 360  
cagtgtgact atatgatgct gcaatgggtgt gtatcatgca catgcttcac ctcccctcta 420  
caattnaatt gga 433

<210> 32436  
<211> 96  
<212> DNA  
<213> Glycine max

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<400> 32436  
agctttgttt catatttct ggaggagttc ggcatgttt cttgagaagc ctctacatgc 60  
acgagagtct ggccttggct tgaagctttt gcatgt 96

<210> 32437  
<211> 288  
<212> DNA  
<213> Glycine max

<400> 32437  
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cccactggta atcgatttagc atcaaggagt catcgattac acatcaacat atgtgactct 180  
tcgtttaaa ttgcgaaaat caaaacgttc acaagctctg gtaatagatt acaaatattg 240  
tgtaatccat gacacagata taaagtaatt ggaaaatgtt tatacaga 288

<210> 32438  
<211> 398  
<212> DNA  
<213> Glycine max

<400> 32438  
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gtataagaga aagcaaaaat aaaacacctc ggaccctaat cccttaattt ctctcgatag 180  
actgagacca agaaagaagg gggaaaacaa aattatctat tagaaaatga tcataatttat 240  
taaatcttaa cgacataatt atctatattt aagaagaaaat tattttggta ctcttcatgt 300  
taaatgtttt ttgtgaataa tacaggtttt gatgatacta agattctgaa tgtgtaatca 360  
actatcattt gatgtgaaatc gattaccagt aacggaac 398

<210> 32439  
<211> 357  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 32439

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atgactcata caaattggcg atctgtataa attttctta actcatacaa attgttgcatt 180  
cgtagtcata cgattgtta atccatatat ccatacagat catcaatctg tataatcata 240  
cacattgtca atccgcatgt tttaactgtn taacaattat ttttctaaan atctccattc 300  
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<210> 32440  
<211> 323  
<212> DNA  
<213> Glycine max

<400> 32440

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gaaccaagaa caattcaaga gttccgatca gaatcaagaa gagttcaagt ctcaagaaga 180  
aagtcttagag acaagaatca agattcaagg ttcaaagatc tcaagaatca agatcaagat 240  
tcaagactca cgattcaaga atgaatagaa gactcaatcc tgatcaatat tagaaagttt 300  
gtcccaactt tgaatatcac atg 323

<210> 32441  
<211> 257  
<212> DNA  
<213> Glycine max

<400> 32441

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cgagagaatg acgttggtag cacggggagc gaggattgaa cagtaataac tgatgcacta 120  
ctacaatatt tagatataac atcggacggt taacatgagt tattcacaaa agcgatgtt 180  
acaaaagcgc ggaggcattc ttgcttagata aaatacttac ttaacatcag ttacgcgcaa 240  
gaacctttagt gtcttct 257

<210> 32442

<211> 319  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32442

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gtacggacc ttcatactnt tcgctcgccc cgatccttct atctctcttc acctacgact 180  
tathtagcta tgatctccct aatcctcctt acaagggcga tacaataata tgacgcccgt 240  
acaataatat gactccctga taaaataaaa ggagtcttca accctctaat caatagaggc 300  
tagatcgac taacgagag 319

<210> 32443  
<211> 354  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32443

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gcagattaaa gctcctataa gattgggta tgctgatctc atagctttagt ctctgagttat 180  
agaatctgat gatcaaagct cagaaccaat ttcttacaaa gatgcaattt tcagaaccga 240  
cagtgatcag tggagatcag caatgcaaga agagttngac ntnttccaa caatgatact 300  
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<210> 32444  
<211> 406  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32444

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ggttttcattt gcccttagaa aattaactac tggcattca cattccaaca tttccctttta 180

atataggcca agttgatgac cggcctcagg ctcctataag aagtaagagc atcagatcca 240  
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gaatgagcca taatggttat ctatccaaag atcaagccgc caatgttcat gtccatcctt 360  
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<210> 32445  
<211> 439  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32445

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aagttgggtt gcctcccagt aagtgccttct ttaatgtcat tagcttgaca agtcaaatgc 180  
ctttaaggtg gcatgaaggt cacatagaac acatcttcct tgcagttcg ccttttagct 240  
agaaaattcca tgaactttat gtattttgga agcacattcc aattcattgc aatagaggtg 300  
cggtgatcaa ggaaggatga cacttaaggt tntcttatgt tctccctacc tttcttcctt 360  
gacaatcagt tgacgagggaa aggtattgat ttggagaata ctttcttggt gatntctac 420  
tgttgagtagc tccccccat 439

<210> 32446  
<211> 362  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32446

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gcaaatttttta agaaaaactat tttagttcga gagaaattat atagtaggtc tttttgtta 180  
acatccgagt attttagat tatatagtag gtcttttcc agagttgaa tgtgctcatg 240  
aagttcatca atatctgttg tcaatcatta taccactctg ggacgatact nttagttcca 300  
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<210> 32447  
<211> 445  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32447

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tgactgaggg tcaagtaatt ccacaactcc atatggcttg acttccttca tggtaatgg 180  
tccagactat ttagacttta atttgcttgg aaacaacttt aatcttgagt tgaacagcag 240  
cacttggtgt cctggcctan agtccttctt tagcagcttc ttgtcatgat aagccttcgt 300  
ttttctttgt acagctgaaa gactcataag cattcaatct catctttcc agctccaaga 360  
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agtatgcctt atgttccatt tctac 445

<210> 32448  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32448

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catgggaaca taaggagtgg aggtgaactg cggtcatgct gggtaactga ctgtgttgc 180  
aacagtgaac cctcatctag agttttctc tttgatagca tgtgggtgc ggtagtcct 240  
actgcccaa tatgtttttt cgaagggcat gatacctcta gaaaccatca agagagatat 300  
gaccacccctt ggaattatca ctaanagcct ttttagttcct tccgtttagg tcactaanat 360  
aggggcacga agtgaccacg ctgcgtgcct tttaaacact gccatgc 407

<210> 32449  
<211> 441

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
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gaggaacgcc ccggcattta cgcaacaaggc ataatgtaaa cctttacggt tttaaaagct 180
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ttgcatgttt attcttntc taaaacggca gattcgatga cgagtcccccc gaaggtaacta 360
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<210> 32450  
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 <212> DNA  
 <213> Glycine max  
 <400> 32450

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tcaacattca atttcgagcg tcccgatcgc tcacggcaactt caatcagaca tccgagttaa 180
aagttattgt catttgaatt ggctcagagc ttcaacattc aatttcgagg gtctcgatata 240
attacgggac tcaatcagac atccgagaaaa aacgttattg ccgtttgaat tggctcagag 300
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<210> 32451  
 <211> 410  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
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ttttaatcg gatgtctgat tgagtccgt aatatatcca gaccctcnaa attaatgtt 240  
gaagctctaa gcccaattcaa acgacaataa cttttactc ggatgtctga ttgagtcgcg 300  
cactataacg agacctcgaa atgaatgtta acctctgacc aattaaacga cataactatt 360  
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<210> 32452  
<211> 409  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32452

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gcttaagtt gtatTTTGT gtgatcatct ttgtaaatag caattttat tagcttggtaa 180  
tcttattttt gttggttcta ataccttga gggggagatg aaaggaatcc aaagttggtt 240  
agaggtgcat taagagataa tagttatacc tattcctagt tatgattctt ttaattcaa 300  
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<210> 32453  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32453

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tgagtgaaat tataagattt taaagttat gaaatcaata gtattctgggt tgatgccaat 180  
agaaaccagg taaaaatcaa atcctttta tctcaacaat tataaagtcc ttgcttcaaa 240  
tgaaggaaag cattgctctg cctataggta attcttgcatt tactgtattttaatgttctt 300

tctgttgca tgtgaataca ttcaagttt atggtttgg gttcttctt ttacatctca 360  
agtttatata tctgtacgaa aataacat 388

<210> 32454  
<211> 374  
<212> DNA  
<213> Glycine max

<400> 32454

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aatcaccatt gaatgacatttgcgtca cagatccatc ctctatagaa gtcgcacaag 180  
caagcttcca tcaatagttac tcgcttagcg cacagccgac ctttgtgagt tcaacaaata 240  
actcaacaga gaagatgaac gcgcattaaatc ttcaacagaa gcgtatgaact cgcttagcac 300  
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tcataggccc ctat 374

<210> 32455  
<211> 403  
<212> DNA  
<213> Glycine max

<400> 32455

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ggccattattt gttgtatata caagccactt gacaaaaggc ttaccttattt attaatgtg 180  
atatcatttgc cgcccatctt tgagctgaat cgtaattgtc aagctgaacc ctgagctctg 240  
aaattattat ctccatttac cttgcttacg ttttaggaga gcacattgcg ttacaccatc 300  
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<210> 32456  
<211> 397  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32456

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agattctctg cagctacaat actcacataa ctctgatggt agtcatctt acaactggag 180  
agaagatttc tgtgaaatca attccttggt tctgctgaaa cctttcacc acaagtctct 240  
ccttgatct tcttctatcg tcggattntt ccttttagcct atagactcac ctattctgt 300  
acgctttctt tccttctang aaattagtta aagaccacgt cttattctt tgaaggggtg 360  
tcatctcatc ttcatcgct agctcccact caatagt 397

<210> 32457  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32457

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ggcacttctc tctcttcga atttgcttgg aaaaattgtt tccgtgaaga aaatccaagc 120  
cgaggcgctt ctgaaacatt tctgtaacgt ttctatgagg aatttcgcga aggtttcgac 180  
cgttctcga tggttttcat tcgttcttca ttgttcttca gtcttcaacg gtaactacc 240  
ttgaaccaag ctttcgatt ctttctatgt acccgtagtg gtccacattt ggtctctcgc 300  
tttttattct gttcattta cttttatac ccnctttga cgtgcttaag ccattntatt 360  
taagtcattt ctgccttaac ctaacaataa aataaatttc caccgatcgt ttgaattgt 420  
ttatccattt acttcggcta anatgaattc cg 452

<210> 32458  
<211> 230  
<212> DNA  
<213> Glycine max

<400> 32458

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cctgatatcc agctgagaaa ttggcgagtg gatgaacagc gcggcattct ccaacgagca 120

taatgtaaac ctttacggat ataaaagctc tatatgtggg cctatgcttt atagtcatac 180

ttttgctaag gcttcgagac ttttgttac gaattcataa taccaagatc 230

<210> 32459

<211> 306

<212> DNA

<213> Glycine max

<400> 32459

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tgttcactgc tttgcctgag aataacaatt gcttgaccac aacagcgctg gatgcggcaa 120

gggacaatgg tctttcaaat aaacctgctg tacatgaaca aacattatat catgcgctga 180

ccgtgcctaa cgaaccagcg aagtcatgc ataattgcta tactaactat attcaatgta 240

cctgaacaaa atgatttcca aacacgtgac cgacacatat gatgaggtgg ccagaagaat 300

gaggtg 306

<210> 32460

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32460

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ccatcagaca tgctagtcaa tagcttctga ctgatcgtaa tggctgatac cttcagcact 120

aaagctcaat tgtcgtggat ccctgcccc ctcgcaga ctttctggta gtgagtgttc 180

gagactcgta gtgcctcaga gatctagcat tctacttcaa gtggcttagga ttattggggc 240

acttgtgccg aaatgaccga tgataagtgc ttccnggaa ttccttccta cgcttaacgt 300

cggcttcacg gcgtcgccgg attttgcggg attctttgaa cctgccactt tataaccact 360

ctccctcgct ttgctccatg gtcaccctga ctttcccg 399

<210> 32461

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 32461

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aggaggctta tggtggtaa agaacaataa tgatttatcg gccattcatg ctctccatcg 120  
tgaccataac agacgtatgt atctatgttag cattgctctt tacagactca cctacagtt 180  
actatgtctt tcaacccata aattgcgaat cattacagca tggcgcaatg tcattttgt 240  
tattaatttag ttctacttag aagctaccac cttttgttaa tatattattn taaacctcat 300  
acagtcttaa ttctcatta tggactaaag tacatgcata cagaattaac atagcatcga 360  
cttaaggcatt tcatt 375

<210> 32462  
<211> 396  
<212> DNA  
<213> Glycine max

<400> 32462

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agaggaggcct aggcaaaagt tagggaaata aaaaaggaaa aaaaaaatag gggcgtgtta 120  
tcaaagggtt tgtccaaat ctaaattcga aagtctctag tcaatatttgc aaatgacaca 180  
tggtcatgct tcattatccc aaacactaat ttatcccttg ttaccccttc tgagccaaag 240  
catatttgtt ttctttaaa acaacaacaa caacaacaaa aacccgtagt agcaaccacc 300  
gctgagccgg cgccaagagc aaggcaaaca tcataatgcata gaggttagct ctaggttggg 360  
caacaatgat gttaatgaaa aaaagcagaa agcaaa 396

<210> 32463  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32463

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acttgtgagg taaatgatcg gttgaaattt tattttacaa tgataaaaatg agattacggc 120  
acaaacgatc gggtgaaatt tgctttacat gaagaaatga gatcactgat ggtagaagaa 180

tgagatgaag atgtgcaaag caacaaggag gacccctaata ggtgcataata gagaattcaa 240  
aaccttataaa taaaactaa ccgattgaca aacgaacgaa gaacgatgta ngactgatca 300  
cggtgtgat cgaaagtgc tcggcctcat tnttttctt ctttcctt ctccttaatt 360  
tcactaaatg ctgtcaatat atgaaggttt tatcccttcc ttccagcccc tcatgactat 420  
ttataggana tgagggact tgttgatct 450

<210> 32464  
<211> 320  
<212> DNA  
<213> Glycine max

<400> 32464  
  
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cacaccgagt cgcaagtgtaa tttatcttg tgtgaggttt atgtttagta catgtatcct 120  
gagggagatt agaacaataa ttccacgcgc tcgcgcgtca tctagacatt taagataaga 180  
tgtataagt tcggcaaata gcactttta ccattttgc atatgtccac tataccatt 240  
aatggctaac aattcaaaag caaaactacg cacttatggg aagctgatgc atgaacgcta 300  
tgacctattc aatggtcatt 320

<210> 32465  
<211> 347  
<212> DNA  
<213> Glycine max  
  
<400> 32465

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catagggccac tttggatac ataagaccct tgtcataactc agagacaagt tttattggcc 120  
ccgtgtgaag aatgatatcc ataagcttg cactatgtgc gtggcttgc tacaagccaa 180  
gtctacggtg atgcctcatg ggctatacac acccttaccc atcccatctg caccttgagt 240  
aaacatttagc atggacttct gccttggct atctagaacc caaagagccc gcactctc 300  
tttggcgggt ggataggttt atcaagatgg ctcactttat accatgc 347

<210> 32466  
<211> 399  
<212> DNA

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<213> Glycine max  
<400> 32466

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agtcgatcca acggtaaca aattgaaacg aagagaatat tactgggta tttgagtgtg 120  
aaaagctgtg atgttggca gactttctac ctctgcccgg ttttcttggc tgtgttagtt 180  
catgatgctt ggatgttgaa ttacttggat gttgtggaag cttggagga ttgatgggga 240  
cccgccgttg agaggaacga ggataaggc tacgtggag tacgtgagct cagttgaggt 300  
gggcaacagg ggatggtggg tttatgcgtg atttgtggat gtggagaaat tgttgcacc 360  
atcgcccgac cgccatctag tagcacatgt gatgggtac 399

<210> 32467  
<211> 415  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32467

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ttatagcagc tactgcaatc tgaacgtgcc caaacgaatc acttaacatt aatagcacgt 120  
tcaccacaaa gaaaattcga ccgttgccctc acacgcccct ctacattctt cattcaaatt 180  
tatatctgct tggcattcgt gttttacca gcatttccca atagccttct gagatttacg 240  
aaatcattcc aaacgctctg ctttccatg gctacacctac caaaagaact tccgctcctg 300  
gtcaccgcgt gtaccatcat ctccgcacca ggaacaacca gaattcaaca tccaacccat 360  
acaataatt cctggcaag cttctgtccc tgagaaactg gttccagaag acaac 415

<210> 32468  
<211> 309  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32468

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agattcctta tctcagtcca aaacttcttg attcactgaa gactacttta ccaaccattc 120

tatccttctt agaaacctna tctcaaacgc gccacccgct accttgtat gctcaattac 180  
cttcctccaa taatttcttc tttaaagaca agtgtttctc acccttgagc tgccatcact 240  
tgattctcgatctgtact tgccgaatat ttgtgtact actcttaaca ccaatataaa 300  
ggatcaaga 309

<210> 32469  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32469

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tcgttaccgg atgagaagat gaaaggctta ccaccaacgg gaaggcatag gtccacttct 120  
atttcacaag tgaaaaggat cacattgctt cattatgagt gacattttaa attaatcta 180  
agctgttaat ataaaataaa atcaatggtt cagattacaa ataactctt atacttactc 240  
nctacagtaa gtagatcccc tcccatatat atatgaagta aaaatagcaa ctttgcaaa 300  
aaaataatac tgcccacctc attattacta tattatctac atctatgact atatctata 360  
acattacaat tgaggattca tctcacaacc catctgtca cctatcttcc tatgcgcttg 420  
aattttctg cattcaaaat attaaaacta gtccatta 458

<210> 32470  
<211> 403  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32470

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cttctttttt gtacattata ataaactgaaa gtc当地atgac cttgattata tataactttt 120  
ttaatgaaat agtggaaatag gttgagcgcc tattcattttt tttctgagta aacttctcta 180  
cactaagaag agtaagttgc taaagtatcc atttcattttt gagagccaaa agtaagtctt 240  
ttctctattt ggcttccaaa tatgttgaga catttcttaag gtgaacaactt gaacataaa 300  
gacacccaaat gttttcttggat ttctggctt tntaattctc cttgtgttggatgtattt 360

cccaatgatt agtttagttt gctataccga tatttttgat aca 403

<210> 32471  
<211> 476  
<212> DNA  
<213> Glycine max

<400> 32471

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aatatgataa cggacaaatg caggaacgt atgttcatta tgatgttatg aagagatgct 120  
tatgcgatgc atgatatgaa tgcattttac ggacacgaga gcccggaaaa ttatctttc 180  
ttacttgcgc atttggggc gcagtcccc atgtgtatag ttaagaaggt gatatggacc 240  
ttccggctta ccatgacaaa ggacgagacc aacatacaat gcatgctaga gataaaatgc 300  
gggagtgacc gactcgact gattttggag aaaaacgtgg gataaactca tcttattcaa 360  
aaagttataa ctatcaaga tctgagcgat aatacaaact tcctagtgcg ttctaattcat 420  
atggtccatt aagtctatca tatgctgaca atagctgaga agtccgcgga tcttct 476

<210> 32472  
<211> 300  
<212> DNA  
<213> Glycine max

<400> 32472

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cagaggagtg gacaaagggt cttgtggtt atgaggaacc catatgagag aagcgaattt 120  
attttggagg aattgttgcc ataaggccc ctgcaccgac ctacagagag ggaatggtg 180  
atgaagaatt ggcgcaccaca agttaagatt ctgagtcatg actcggtggg tgggttcgt 240  
actcactgcg ggttggactc ggtgttggaa gcggtctttt ggggtgtgcc tatggcgtcg 300

<210> 32473  
<211> 374  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32473

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attttccatc atggagatgc agcggaagac aaatgaacag aggcgagagg aggcgttatac 120  
catthaaggaa taagccatgg aagaaagagc ttcaccctca agatgagcct tggataagaa 180  
gcttggagat gatgcttcaa tggagaaaaa gaatgataga gagaataaca gacgagggag 240  
catgaaattg aacgatcaac accagagaga tggtaactt tgagtgtgt ntnanaactt 300  
cctccctcct ctcagtccac aagtgtacac atgctttag tatagactac gtagcttcct 360  
tgagaagctc tctt 374

<210> 32474  
<211> 265  
<212> DNA  
<213> Glycine max

<400> 32474

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cagtttgatt agttcacccc cattttcgt attctgctca tttccttttgg aaacgttgcg 120  
aaactttacg gattacacgg cgaaaagtcc cagcatctca acttcgctga caagaattaa 180  
atggttgtaa acaacgtccc agatgatatt atgtgtgaac ataatattaa tgatgaatca 240  
tcatctcaca taacaccatt gttc 265

<210> 32475  
<211> 457  
<212> DNA  
<213> Glycine max

<400> 32475

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aaaaagggtga aaacagggtt gacacatttc ccctcagctt gcaacttttgc cagataacaa 120  
acaacaaatg aataaaagga aatgaaataa cattggagat aaaataaacc ctaaagcctc 180  
ttcatataacc gaagcatcat gggcagcatt tgaatatgca agagcagtgt ttccacaata 240  
gacatcctag ttgtgaagag agtgaggatg aaagagaaga gaacaaatga gaaagtgaca 300  
ctacagtata gaaaaaaaaa ggagaaagca agtacaagaa gagaaggaga atgaccaagg 360  
ataagagaga agagaacacg gattagaacg agagagatag agaagacaac tatcatggaa 420  
ggtgatgaca acaaaagttaa cgctaacaac tggatcat 457

<210> 32476  
<211> 249  
<212> DNA  
<213> Glycine max

<400> 32476

gataaaactag tcccgcgagc ttaatcaact gctgctgcag ctgttattta gtaaacacta 60  
attnaaccga tgcaactcaaa ggagttatga taaatatcat ctatgcaact cttattaagt 120  
gttggagaag taaacaatgg gggattcac tctgctaaga cttaaatga ttctgaccca 180  
actctgttac ataaatattg aaaagaacctt aattatttggaa tttctatgaa tcatttgatc 240  
gactaaatc 249

<210> 32477  
<211> 399  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32477

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ccgtcatctg agaatcgtgg catcgtaat cgtctatgct tatcaactata tcgcactcag 120  
cgcatctatt agtgtgtgtt gtacaacaaga acatcttcta cgatttatta acatttcttc 180  
agaaggcaac aactctcgtg ttttacattt attacatgcc ttacagttaa tcgatcgcac 240  
aaagatgctt taaggcttat anaacntata cctccgtatc gattcgaatg aattacaacc 300  
ttatcgtaat caattacaca gttgctttt cggccctgac tgattcatcc acagtctnta 360  
tttaatcga ttacnatgtg atataatcga ctacttctc 399

<210> 32478  
<211> 226  
<212> DNA  
<213> Glycine max

<400> 32478

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ttctcttctc ccttgccaa aacgaattct ccaaggacta accgcctgaa ttcttttgc 120

gtctctttc tcccttttc aaaagcccccc ccgaccccca cctgaatcct ttgggtctc 180

ccttctccat tgtccaagaa ttcaaaatga aacagttga gaattc 226

<210> 32479

<211> 290

<212> DNA

<213> Glycine max

<400> 32479

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atggcgccctc ct当地cacctc ttttcccttg tcttccgcta catctgcata gcgaaaatc 120

accattaact gaccccatgg aagctcatca gatacacgct ccatataatc cccacaagca 180

tgtttccatc agaatgtcca cgttttata gggctacact cccatgcctc tctaggacta 240

cacgccctcg ccttaggagg actacacatg ctaccttag aggactatag 290

<210> 32480

<211> 90

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32480

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acttacccgt gatgatcgaa gaacgatgaa 90

<210> 32481

<211> 577

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32481

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actcacagct atatgcgcgg tggaatgatc tgcgacggat cacactctgc ttatatctat 120

cttcgcagct acagacaatg tgcgaacgaa gagtccactg atcgcatcac tagagcagca 180

acatgcgttt tagtctagcg atatctgcata ctgcatacg aagagatgtt tctctcattt 240

tggcattaga gatacgactc acatgatcga tcctcccgat gagcctctct caaccattac 300

ggaggtcacc tctgttcaca cgaggtgaga cttcctcaact acactactca gctcttattg 360  
catacttaact tcgactacag gaagcgaaac ataagagttt ntntccgcct ctctacaccc 420  
tctcactcct gataaataag ggtctgtatt gagngcatt cagaggccat gtgacctctg 480  
acaagacact tgaaacatct tatgtatgata gcccttttt gcgagctagg ctaaaggtgg 540  
atttctctat cgccctcaccc tgatctgtcg tgagttt 577

<210> 32482  
<211> 392  
<212> DNA  
<213> Glycine max

<400> 32482  
  
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accacgaggt actcaatcaa ctaaaacgcg ccctcctcgc taacactgag tttcagacac 180  
agaagaaagc tattcaagct cacccagagg atcacgctca cttcaccatg gccaatgagc 240  
tcattttctt aaagaatgcc atctggattt actcttagcaa tccattcatt cctgcattag 300  
tacatgagta ccacgcaacc actctcgag gtcactttgg tgtcaagaag accctccacc 360  
atgttcgctc taatttccag tggaccacca tg 392

<210> 32483  
<211> 282  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32483  
  
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gcgttagcctg cgtgtacaag aacgggttgt gaatggaaag taccttggc tgctatacgt 120  
gataagctaa aataacaaat tcaccttagc atatataaga gatagattgt ggagaagcct 180  
tcaatgtagg aagagcattc ctttggccaa tgctgcccgt gaggccttaa taaacgcaat 240  
agctcaagca atcgccaagt attgcatgag aatctatctc tt 282

<210> 32484  
<211> 387

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<212>      DNA
<213>      Glycine max

<400>      32484

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atctgcagaa gaacatagac cacaaactct tgcaacaagg gaaaatgcaa atatctaatt 120
catggcaagc tgagttacta ggtggccaac gcatcaagtt ttccttcaag ctttttattt 180
acagtggatg aagatgaata tgtggccacc tcatggactc ctttaaggac aatagcatca 240
tttcttgcac tgaattgttg ggagttggaa gccatttct caatcaacat tctagcctca 300
gtaggggtca tatcaccaag ggctccacca ctagcagcat caatcatact cctctccatg 360
ttgcttaagtt actccatataa atattgc 387
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<210>      32485
<211>      284
<212>      DNA
<213>      Glycine max

<400>      32485

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tcttccttg ttctgaagct cactacaagc cttaagtcaa aaaccatgat attaccatat 120
ccttaaagaa ttttggagct ttggaattgt tttggaaata agtgcggggg gttttgctt 180
cattggacaa cttgctttgt tgactatgct tcatgatgta tttgcgccca tacttgatgt 240
acattgcata tttagttaat gttggacatg ctgaatgaaa tgg 284
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```
<210>      32486
<211>      402
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      32486

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tatgaatttaa tagttcaaata aataaaatta aattgttggaa aattaatata ttaagattca 120
acgataaaata ctttcaatgc attcttagcct acttattttat taactttttt taattgataa 180
taatatagtttt tggtttataa tatacatgttt tagttagttaaa atactaatat ggtgtgacgt 240
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gcatatgatt catgaggcgg gataacatgc tgctttggga ttataacatt gtcgatnaca 300  
ctgagtgat gtgataaatt gagtatgtgt cgaattataa gatacaagcg tattgagatt 360  
ttgtatgcat cgagctgtga gctatgaact atactattac ac 402

<210> 32487  
<211> 414  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32487

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gctaatttgg ttcttatagt tccatgattt gtaccgctta gttcctatag tttgaaagtg 120  
gtcttttag tccatataat ttgtatttca attgcctgtt agccattgct acaacacaca 180  
cacacacaca cacatgatta actacaaatt tggatcaca ttatTAacta tttcttattt 240  
cacactattt tgcgataaat tatgtatAGC tataccttAT tntnccccgc ggcgcTTcat 300  
tttctacatg tatntcctca catgtttgt gctacatgtt gttAACatGA ttctttacag 360  
cttccaccccg ttaaacttgc tatagaagct agatttgatt ctctatgggt cata 414

<210> 32488  
<211> 410  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32488

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<210> 32489

454  
DNA  
Glycine max

unsure at all n locations  
32489

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ttgggcatat tcttgaaag atttatgctc tctcttacac atgttctata gttgcattct 180  
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ccangagcgg atccaggaag gttccagatt aggataccaa gtgataggcc gcccagtcca 300  
ctctcttcaa aaaagcatta agagctttc atccttcgat tatgccccca ttatcttgca 360  
gtacatcttc aggtgattct tggagcaagt agtccctccg tactagtcaa aactcggcac 420  
cttgaacttt ggaggtatga cgacgttggg cact 454

32490  
395  
DNA  
Glycine max

unsure at all n locations  
32490

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tgtgtgagaa caattcccttc actacaccct tgaatttaat tccagggaaa tatgacaact 180  
cacccaggc agtcatgtca aactcatcca tcagatttt cttaaattca ttcacttttgc 240  
cttcattgtt tcctgtcaat aacagatcat caacataaag gcatagcatc ataatgtctt 300  
caccccccaga cttcacatac actccatgct tagacctaca tttcacanaa cccaaattgg 360  
tcaagctctt atctatTTTc atgttccaag cacgt 395

32491  
462  
DNA  
Glycine max

32491

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tagctgaatt cagatcaa at tgaagttgc tttagctcaac cttggccatt ttagcggacc 60  
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gaacagagat gcgccttagcg cgaggcttgc gcttagtgaa aggactattt ttcagaaaat 180  
gttttctaag ttatTTTca gttcttttc cacgaaatta aaacccttat gttaaatatt 240  
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acatcttcct tgaagttca ccttttagct agaaatttca tg 462

<210> 32492  
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<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32492  
  
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acaatacgct gacaata 77

<210> 32493  
<211> 470  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32493  
  
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ctgaacgagt angatgtgtc agaggattca gaatggaggc agcctgaagg aattcaataa 360  
ttggattgtt gacttggatg ttgacgatgt tcctagtgtg ggcagaaaat tcacttagta 420  
cagaccagat gtgacaacaa aaagcacaat acatacggtc cttgtcttgg 470

<210> 32494  
<211> 353  
<212> DNA  
<213> Glycine max

<400> 32494

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tgcttcaa at caccatt gactggattc ccccccgt aatccacaaca atcaaattt 180  
gatactgatc aagcacagat gcaagagcac tgtccctgtc tgaaggacca tgcacatgaa 240  
actccttttc accaatctga aaagtcttgt ctgacttctc ttcacaccca aacgacacag 300  
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<210> 32495  
<211> 597  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32495

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acacctccnn ccccgacgc ggccgcgcgc tttgatttcg tgcaatacgc acctatanaa 120  
actcaacttc gcctgaaccc acatcattga ctcaatatgc acattcgct tttgaggaaa 180  
tcgaacagat actgctccct gcaagcaaag aactcttcga tcgcaccaac caaaccaa 240  
catgctcctt atcacttcca tcataccat ctgtacctga gctatcttc tcacgctact 300  
ttctgtgctc attgttacca tgcgtccatc cttcacacac tctactacct catcttaaca 360  
aaatggttca ctggatattt gggtatccaa gatgccaatt ggcgccttgc ggtatatgcc 420  
cccgcacagc ttgccacatc tttgtatgtt tatgtntana tatgaaaaat ttacacacaa 480  
cagggcaatc cngcaccacca ctctgtactg ctccctcaaa aancatcctc ctaacagtag 540  
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<210> 32496  
<211> 404  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32496

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tgaattttc aagcttggta tcatccctaa atctatgtgc tgagttgttt tccttgagtt 180  
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caaataaaag ttcttaaca aaagttacaa ataaaacaag tttaaggacc tttagttaaaa 300  
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gttttgaact caaaaatgaa ttttttaagg tttgaanatg taaa 404

<210> 32497  
<211> 455  
<212> DNA  
<213> Glycine max

<400> 32497

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tataacatga acatgccatg cacattgctc tcattgtttt tttaatacaa gaataaactg 180  
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ttataataca caacaaaaaa actccgctta tgtaaccttgc ttatctccc gcccgacttg 300  
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aatttatttctt ttcatcttat tttttggaa tata 455

<210> 32498  
<211> 404  
<212> DNA  
<213> Glycine max

<400> 32498

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tttttactcg tatgttgat tgagcctgta atatatcgaa acgctcgaaa ttgaagaccg 180  
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ctttttcct cggatgtctg attgagtccc gtaatatc gagacgctcg gacttgaatg 360  
ccttagctct gagcaaattc aaatgacaat aacttttac tcgg 404

<210> 32499  
<211> 438  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32499

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aagttattgt cgtttgaatt tacttaggc ttccgtcttc aatttcgtgt gttcgatata 120  
attacgggac tcaatcgaac atacaattaa aaacttattt tcgtatgaat ttgctctgag 180  
tttcggattt caatttcgag cgtctggata tattacgggt ctcaatcaaa catccgagca 240  
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atattacgga ctgaatcaga catccgagta aaaagttattt gtgtctgaa gttgctcaga 360  
gcttcaacat tgaatatcga gcattctgat atattacggg actgaattag acatccgag 420  
aacaagttat tgtcgttt 438

<210> 32500  
<211> 408  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32500

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acccactcct cacgtttggc tntttaggaa aaaacaccat aactaaacgc gccacaaggc 120  
atccctatcg caccagatcc aaatctcaac gatgggtgat caagaggaga cacaggaaca 180  
gatgaaagcc gacatgtcgg ctctgaaaga acagatggct tccatgatgg aggccatgtt 240  
aggaatgagg cagctcatgg agaaaaaacgt ggccaccgct gcccgtgtca gttcggctgc 300

cgaagcagac ccaactctct gggcaaccgc gcgccatcct ccctcaaaca tagtaggacg 360

gggaaggaac acgctggggc acgacggcaa cccttatctg ggatacaa 408

<210> 32501

<211> 461

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32501

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atggaaacctc ttggtctttt cttagtagaa ctggcattc tcatacgctt ctaggcggat 120

ctcatctaac tcactcagtt gcaactttct ttcctcgcca gcttgatcca tagagaagtt 180

gcaggcttc actgcccagt atgcttggtg ctcaatctca actggaagat gacatgcctt 240

tccaaagaca acccgataag gagacattcc tatgggtgct ttgttaggtg cctatgtgcc 300

caaagagatc atctagcctg gtactccaaat ctttcctgct tggctgcaca atttctcta 360

aaattctctt gatctccctg ttagaaattt ctgcctatcc attggctcg aggtggat 420

gtgtggatac cctgtgtaca accccgactt tttagcaacg n 461

<210> 32502

<211> 279

<212> DNA

<213> Glycine max

<400> 32502

agcttgtatt gtagtcatac ctcacacaat atatgtatgt gtgtataggt agtaaaaata 60

ccttggatat gcatgtatgt aattacgta gcacaacaat acctcacata atatacatat 120

gtatgttag gtagcaagat accttgcct gcatgtatgt agcaacaata tatatgagta 180

tgttaggta gcaagatacc ttggatatgc atgtatatacg caaaaatagc tcacaaaaat 240

atacacatgt ttaggttagca aaatacccta tgagaaaa 279

<210> 32503

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32503

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acacattaaa tatataatgt a gtaatcaa tgtattatga acattaat atataatataa 180  
aagtgcgtag cgtattaaaa acattaat ttatataattt acacottaac ggaagcataat 240  
atatttat attaaacacg ttgccgtaaa caatttaaac attataatan tctcctccac 300  
atacacattt gaaataataa cgtaaacggg tatataatata tatatagata tatataatgt 360  
tatataatata tatataatgt a tatggacata tatacagtag gagagcataat tatacatgtt 420  
gctatataatata tagtacctgc ctcaatacac acctccatat ttccn 465

<210> 32504

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32504

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ttaccacaga atccagattt aaccttccaa ctctcaaagt ctcactcttt ttccactcac 120  
aacaccacat tctcaacttcc taaccttaggt taactctacc cttcatctct aacagtttcc 180  
ataggcaatt tcagcacata aacatcacaa gcatcatcat gaaaacccta aaactgaatg 240  
ggtatgttta actcatccaa acatggcaag ttcaacatgc tttcaacaag tttcttcaca 300  
aataatcatc ataaaggcaga aacctagcaa gactacccat catatctccc anaaccccat 360  
acccacgann atcaaaggag aaagaagtcc accca 395

<210> 32505

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32505

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acctggagat atgtcgccgc ggtcaggaga ccttgnggac gtcaggtggg gtgctattgc 120

ccaaaaccaa gcttgaccaa tcccgtccca acccgggcat agtcggtcag tgagaacctg 180  
tgatgtacct aagcacgtga gtccttagca gtcaacagat aaaaggaaca aagaccacaa 240  
agcaaggagg cttgtggtgg ctggccagct gtgaactttg attgaccgcc cgccatggcc 300  
tcggtaatcg attaccaagg gtggtaatc gattacaagg ctaacaacat gaagacagga 360  
ggctaagatg gtctctggta atcgattacc acg 393

<210> 32506  
<211> 456  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32506

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tgctggagta gtcttcacat gccaatatat taatggata caaaatgtac catgaggcga 180  
gctggcacta ttacattatt atcgccgatg catgacttat ttctgcccc caccaccacc 240  
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cctctttctt catttttctt attctcaaAC tacgtgtctt caaaatttgtt ttactttcct 360  
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ctcatacttt catttctgat cctccaccca ctgtcc 456

<210> 32507  
<211> 404  
<212> DNA  
<213> Glycine max  
  
<400> 32507

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ttccttcttg gaagggtcta acgatggaca aatatgatgg tgtcgcgggt ccggataagt 120  
agttggatgt ctaccttacc caaatcaact atacataAGC gatgactatg ttttatgtc 180  
aatcttccaa acttcattga agggcccacc attgagttgg tttacaaaaa ttccctgtta 240  
cttcatcaat ttgttcgaca cttgtataac ccaattcgac acttagtttG ttgcaagtca 300  
accctatcac ttgacttcta tggcactggT caatattagg caagacaaga agaaacctat 360

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404

<210> 32508

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32508

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tgattcaagg tgttttgatg ataataaaga tggatgacaaa aagcccaaga gaatgacttc 120

aagattcagt caagaacttc aagattgagt caagaacaat tcaagaatca agtttcaaat 180

ttcaagaatc aagaatcaag aataatcaa atcaagattc aagaatcaag aaaagactca 240

atcaagataa gtactataaa gttnttcaaa acatttagtgc gcacatgaag ttttgacaac 300

ttctcactta ccaaagagtn tactctctgg taatcgatta ccagaatgca gtaattggat 360

accagtgttgc tcaaaatgtt aagattttca naattcacaa tgaagagtca catctgttga 420

tgtgtatcg attacacctt aatggtaatc gattacca 458

<210> 32509

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32509

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aatttctata caaaatgggt caccattccc ttcaaaatgc atgtccaccc taatgtgatg 180

tttccagcaa tagccttatac ttggaaatgc ttatccttgc tcgtttagaag tacaactgcc 240

aaggtaaac atgaaaatgt ttgtcttcc aacgcattt gtcttgggtt caaggccatg 300

tggtcagcaa ctactgaata taaaggcagcc tcaatagcag cggcttctct taactctcct 360

tcaaccatct ttatcttgc ttccaaatgt tcaatcttgc tggtaaaaat 410

<210> 32510

<211> 393

DRAFT GENOME

<212> DNA  
<213> Glycine max  
  
<400> 32510  
  
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ttaaacgtt tttgacattg taaaatcata gaaccaaaaa cctagactaa tcttcaagac 180  
ttcaaaatct ttgattcaac aatctcccc ttttggctt tgatcatgcc aaaccaaatg 240  
atgtgtattg atattctcct tgcctttta cctgttctac atcatgctca acaaacatcg 300  
cagcactatc tagctcatca tagcatctag gtacatacac aatcaatcat atcttctcc 360  
cctcttggc atcacacaag caaaaagtga gta 393

<210> 32511  
<211> 251  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32511  
  
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gtgcgaatca tatcaatgga agacaaaagg taacaagaag gcgggcgggc acttatcana 120  
ttatcatggg gatatattat ttatatccct cacctttatg atatacttt ttttcatttt 180  
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tttttttaat a 251

<210> 32512  
<211> 449  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32512  
  
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aaatcttcat gatttacatt ctccccctt ttgatgatga caaccacctg taggttanga 120  
gcaacaacaa agaaaaaaaata tctatggca tatagtttac tcccccttgg ttttgcattg 180  
attgcttata tgagacagtt gaagattca tattttcat atgtaaacaa tttctcataa 240

ESTIMATE

acaatagatc atttttctta ctatttatc ttttatctt ctctccct tcgccaacat 300  
caaaaacaat catgaataga gaggagaaag atgttaccac ttgttgcaat gtatgagaat 360  
caagtgatac caaaaggcat taaaacaatc attcaataat aatgaagcac aaacaagtac 420  
aataaacat caatcaaaca caatcaaat  
449

<210> 32513  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32513

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aaaagtgaga ggaatttggg tgctatcgca aataatctta ataccaacaa gtgtccaaaa 180  
gttaagaagt aaggaccact ctaaaataat cgccgcatac ctatatcaaa catgcgtat 240  
gtacctgtct ctataagctg gcattgccat gtcacttcaa acactttntg ttacanttt 300  
agtttcttc aaaatttata attaaatata aataaaaata ctacaataac taaatatata 360  
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388

<210> 32514  
<211> 412  
<212> DNA  
<213> Glycine max

<400> 32514

tgagctgacc gttaagcgag gtgatgtgct ggacttatct tgtacgctaa gcgagttgtc 60  
ccaatcttca actttttctt cacagctttt tctttacgtt ttttcatcaa tcttcctata 120  
aacacttgta atttttcttc ttttaaatac tgggtaaa aaattaacat gatattaaat 180  
tcctcattat ttcataaaaa acaatagtaa attaaaagaa ttctaattcat tattagtcaa 240  
gatggactat caattatact taacattcac agttatcaca tgacctgcac cctccaacac 300  
catgattata acttgctgtg tagttgtcaa taatatgact gttgtcgata tccattgtgc 360  
cacaaccgac attgtgacca tcgtcatgaa catcagtgct gtaccaacat ga  
412

ESTIMATE

<210> 32515  
<211> 344  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32515

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ctaactgcac attaatctgt taaagactca cagattcatg tgtccagtat ttccggcaa 180  
gatgtcctgg acatcgatg cgacattcgt ggatcctgca gcttcaattc ttcatttgac 240  
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catgtgcagc aacttcagct ttccattcaat gtctaagtgc ttat 344

<210> 32516  
<211> 399  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32516

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actcatcttc tccttgaagt ggtgtctct ctcttttc ttctccatt ccggccggcat 180  
tcatcttcca agaagaaaaag gaatccattt atgaagaaga tcctacgcct acaagctcca 240  
atggagcttta caccatgtgg tatcaagagc atctccatct agggatgtt cttcgctcc 300  
ctctatcttc tgtccggaga aatctctnta attacttggt ttcatctta ttctccatgt 360  
atatcccttcca ttatcttggt agatggcgct gtctagagt 399

<210> 32517  
<211> 295  
<212> DNA  
<213> Glycine max  
  
<400> 32517

agcttgaaact tccggctgtg cgataactgggt gaaaaattgt ggcacagtag aacttgaata 60

DRAFT

atcctccacg gttactcttc ttggctcttc agccatgatt gggcttcaa caagttctat 120  
atgagaatgc cctgcaatag gcaactagaa gatgcctcgg aagatcgagg ttattcttct 180  
agagttgtcg atgcttctaa atcctgcaaa aaagttctga ttctctctga actacgcctt 240  
ctacaagtgg tgttaatctc caaatcaatg ggaatcaa at cacctacagt ggatc 295

<210> 32518  
<211> 326  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32518

tgcanaatgg gtcggtaaaa ctccgagttt cgaccagatt gttagaacatg tggcatgag 60  
ctgacctaag gtacataacc cctcaatctc gaaggcaaaatg cttggagaga ctaacaggtt 120  
taaatgactc agtattttata taatcgaagg atacacaatc cctcagtctc aaaggcaaaatg 180  
cctataaaaga cgaacaggtt cacatgactt ggtattttata caaccggagg gtatatagcc 240  
cctcagtcat gaaagcaaaatg tctgaagaga ttaaaatgtta aagaatccccca tntacacaac 300  
tggatgtaca tcagccatca gtcttg 326

<210> 32519  
<211> 369  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32519

agctttgaga cgcacatgtgaa ccttnggcat catcaaaaaca ttcaagcttga tcctttgtct 60  
acaaatctct ttcatggcct accgaatgaa gacccatatg ctcgccttgc cacatacata 120  
gagatctgca acactgtgaa gatacccgac ttccagaaga tgccatcgcc ctcaacctat 180  
tttcttttc cttggccgat gaatcanaaaa gatggcttca ttcatcaag gggaaagggtt 240  
gagatctcat cattccacca attccctgat gaatcattaa gtgaagctct agaccattta 300  
tatggcttac tccagaagac tccaaacccat gggttcaacg agcccggtt gctaaatata 360  
ttcattgat 369

<210> 32520

ESTIMATE OF DNA SEQUENCES

<211> 126  
<212> DNA  
<213> Glycine max

<400> 32520

tgcaacttgc agaaccatgg gagaagatga gtgaaggatc tatagattaa attcttgaga 60  
caaaaagggtt agggttgaga ggggtgggc tgctgcacac aaaagaaaga taatggaagt 120  
tttgag  
126

<210> 32521  
<211> 409  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32521

agctnttagt tgaaaagatg tgactcttcg catttgaatt tgaatttcaa tgttcaaagg 60  
tactggtaat cgattaccaa aacattgtaa tcgattatacg cttttgaaa ataattggaa 120  
cgttgtaat tcaatttcaa aactttcga aacaattttg ctactggtaa tcgattacaa 180  
caatctggta atcgattacc agagagtaaa aactctttgg taaaaggttt tgtcaaaaac 240  
tcatgtgcta ttcaaatttt tgaaaaactt ttaataactt atcttgattt agtattctct 300  
tcattcttga atcttgagtc ttgaatcttgc atcttgattt ttgagatctt gaaccttgaa 360  
tcttgattct tgactctaga ctntcttctt gagtcttgaa ttcttcttgc  
409

<210> 32522  
<211> 435  
<212> DNA  
<213> Glycine max

<400> 32522

tgttacaacc agtattgttt atcctaccaa atcaggctca tacacaaaga agaagatata 60  
tttgtttgat tgcacagtga ctaacactca atcgattac agacagataaa acaatcttag 120  
cacgtactct tttctctcaa aaaaatcaag gtatttgag agctattttt aacttcaaaa 180  
gaatttacat aaagtgattt ttacaaaaaa gaatttgaat gagtgcttta gttggttctt 240  
catgtcttca acaagtgttc aatgtctcta aatggataga tttctcctct taaagctcg 300  
ttgaaaaatg tggcattggg catttaatgc ttgattgcta gcatgtactt cttcaaaaac 360

cactattctt tgctaacatg ttgaacactt caacaagaaa tcacttcctt ttgtgtcaga 420  
gcatgttgt atagt

435

<210> 32523  
<211> 285  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32523

agcttatcg attatggngc acccgtcatt tgtggtacta ggtggcgatc gggcgatggc 60  
acaaatcaac tatcccat tt ccacaagtca agcataagca caccatcccc aattgcccac 120  
ctttaaatnt agtcacgtg cacgttgcc cttctcctca ttcctctcag ccccggtcc 180  
ccatcaaccc ctccaagctt tcacaatatc tagacaattc aaattcattt gtcatgaaac 240  
taccttaaac aaagaaaaat aaagtggagg cagaatctt gcaca 285

<210> 32524  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32524

tgcatgatt tacattctcc ctttctcaa gaaaattctt aattcttctt gacatcatca 60  
aaatcttcat gatttacatt ctccccctt ttgatgatga caaccacctg taggtagga 120  
gcaacaataa agaaaaata tctattcgca tatagtttac tcccccttgg ttttgcatt 180  
attgcttata tgagacagtt gaagattca tattttcat atgtaaacaa attgtctcat 240  
aaacaataga taattttct tactattta tcccttatct ttctctcctt cttgtcaca 300  
tcaaaaacaa atctgaatag agaggagaaa gatgttacca cttgttgcaatgtattagaa 360  
tcaagtgata caaaaagaca ttaaaacaat cattcaaatt taatcaagaa aaaataagta 420  
caataacaca tcaatcaaac acaatcaaag acaatcaatc atc 463

<210> 32525  
<211> 294  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32525

agcttcattg aatgttagtat tgatgttagct attgtcaagg aattctacgc aaacctctat 60  
gacctagaag acaagtccacc taagcaggtg agggtcagtg gtcatctgat caaatctgat 120  
gaagataactt tgaacacttt tctgaagact cagcgattct ggaagagggg gaaaatctt 180  
gtgcttattc ccggtttgc a ctcctgaggc ttgatcctca ngagttggct gctaagctt 240  
gcattccagg gaggggattt tagctaaatg ttgatggtca gcctttgaag attt 294

<210> 32526  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32526

tctacttagt aaatataaaa actaaacaac aaatatttac aatcctacca aacagaacca 60  
tacattggga gaaatatata cattttgaa aactttata tacaaaagtt agtcgtaaaa 120  
gacgattaac agtttcttt tcagatctt ctattttt cttgaaactc gggcaatcaa 180  
ctctcagatg tcctgggtga ttacattcat aacattttgg aagagaggat gaatcttctc 240  
ctctcttctt tggtnntaaa tttgatcttc tttgatttgc tttgtttctt aaaaatttcc 300  
gcacctctt acgaaaaact gaaatcatca tctctctcta tttcattcaa atcttcttta 360  
tcacttcctt attgaattga agatgaagct ntaagtgtga ttgctntctt tctcttatca 420  
ttctcctcat gtcgattcag tctcat 446

<210> 32527  
<211> 410  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32527

agtttgtatg attatgggt acccatcaca tgtggacta ggtggcggc gggcgatgg 60  
gcacaacaag tttccacat ccacaatgcg cgcataaacc caccatcccc tggcccac 120  
ctccatctaa gtcacgtac tcccatgtac ccatatcctc atttctctca acaccgggtc 180

cccatcaatc ctctcaagct tccacaacat ccaagcaaaa caacattcaa actgcacaag 240  
ctatcacagc caagcaaaac agagcatagg cagaaaactt tgccaaaaca ccaaccaaat 300  
cacagctttt ctcacttaaa gaccccagta acaattcctt cgttctgggtt cattaaccgt 360  
tggatcgact cgaanatnt actggaagtc tctaatactt aagcctacat 410

<210> 32528  
<211> 465  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32528

tctcccttat ttgctataaa tagggggaga agtgaagaag ataagggttc agcctttan 60  
gcacttctct ctctctcgaa attgctgagg aaaatttattt ccgtgaagaa natccaagcc 120  
gaggcgcttc cgtaacgtt ccgtgagaaa ttacgcgaag attctcgacc gttcttcaag 180  
attcatcggtt cgttcttcgt tttcttcaat cttcaacggg taagtacctc aaaccgagct 240  
tttcaattca ttctatgtac ccgtggtggt ccacattntg tttcatgtat tnttattccg 300  
ctttcattct cttttataacc ccctttgac gtgcttaagt catttattha agtcatttct 360  
cgcttaatct aanaataaaaa taaattcca cogatcggtt gaatagtatc atccgttaat 420  
tntggctaaa atgaattccg accgttcggt cgtgccgtaa ccacg 465

<210> 32529  
<211> 372  
<212> DNA  
<213> Glycine max

<400> 32529

agcttgcggc ctagaaagcc atcggtcatg cacagagaaa ggagggacaa attgggaccg 60  
actcttagca aacaaagaaa gagcgtctgt caactggttc cctcgatgga aagaaggaag 120  
aaccggggtt ctatattcat gcacggattt ccgaatgttc ctttgatggg gacaagggtt 180  
tgcatcagtt acaatcctgt tcttgctata aggcaacttg gctaccctat gagagggca 240  
ccgctagagg aagagctcgc gcctatcatt tcacgagggtt tcaataagac caacgtggag 300  
acacttcaga aggtccgcaa ggcattggag gtggtgcaaa agaaggacaa agaactcagt 360  
ggcagtaaca at

372

Sequence Database

<210> 32530  
<211> 377  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32530  
  
cttctttgga ccttgaacag gcaactaact cctcttc can aaccatgcta tgtgctcg 60  
actggccct ttcttccttg agttcactat tgctacccca tagagctccg cgaaatttg 120  
tccgaccata ctttccttg cgagccctct tggctctcttg ttcaaaggct cttgcggcaa 180  
ttgcattctc ttcccgtAAC ccggcacact cttcccaac gtgtgtancg gccaaacttga 240  
acttctcctt ggcaagtnt gccttccta actcgctnnn gagagccgga cttcttcgtc 300  
ctcttcagtg gcttaaagct ctcttgctg acgacttttta acttggcgag ccaatctaaa 360  
cctcgtagat gaacttt  
377  
  
<210> 32531  
<211> 406  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32531  
  
agcttgtgaa atcaatggaa tccaagattc tgcttgacac aagtcgttca attttgttct 60  
tagaaatgtg acctaagcgc ttatgccata atgctcctga gtttgttatta tcaattctac 120  
gcttagtacc atgcaatgag aattacacac gaagctacag tatcaagtaa atatagatta 180  
tcattaaacca agagtgaacc agttccaaca atatctgaat taaaagacaa cctanacaca 240  
ttgtttccaa atgaccacaa ataaccgaat tatgtccaaa taagaaaactg ataccaaatt 300  
ccgtctaaat gacggcacaa caaaagtgtc tttcagatcc aaataaaaaac tagtacataa 360  
taataatcta aagtgcctta tagcgtccac ttccaccgat ttacca  
406  
  
<210> 32532  
<211> 409  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations

<400> 32532

tgaatgttaa tagtgcattg gagaagagag cgcgataggg tacacggaga agaagagagc 60  
ggagcacaat aggtcgcatc aaatataatt taaaatgtac gctcaacatc ggtttcaat 120  
aaaaaaactga tgttaacaaa ttgatgagaa cguttaacatc ggtttattc aacaaaccga 180  
tgttaagggt gcttccttaa catcgattt ttgaaaactg atattaacgt cgcttcgttc 240  
acatcagtcc tcttcaaaac cgatgttaag gaatacacat tatttanaat tacccacccc 300  
atttacgtaa catgcggtn t gtaaaaaacc gatgttaatc cgccgatgtt aatctgggt 360  
cttcttagtag tgaaccatac catcaatatt tcagttgatt gataaaata 409

<210> 32533

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 32533

agcttcaaca ttcaacttcg agcgctctcg tatattatac gactcaatta gacatccgag 60  
tataaagtta ttgttnngttg aatgatctca gagttcaac attcaatttc gagcgtctca 120  
atatatgacg ggactcaatc agacccccag taaaagata ttgtngtctg aattggctca 180  
gagttctac attcaatttc gagcgtttcg atatatgacg ggactcaatc atgcattccgt 240  
gtaaaaagtt attgtcggtt gagttggctc agagcttcaa cattcaattt caagcgtctc 300  
gatatatgac gggactcaat cacgcattcg agtacaaagt attggtcgtt gaattggctg 360  
agagcttaac aatcaatttg a 381

<210> 32534

<211> 457

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 32534

tcggctcttg atacaggttc tatcctatcc tattttttt ctgtgttaatt tgtcttaggtt 60  
cgtgttttgt cctgttttg ttatttgcgt tcttgtttac atcttgtttc gttattgttt 120  
gcgtcttgcg ttcttattt tgcgttcttg ctcttgtttc ttgtgtctt cacactctgt 180

gtccaaaaaaaa aatcgcaaaa aaatttgaaa aataaagtgg gtgttgcac tttgaacacg 240  
aaatttgggc atttacaggt attttttgg anagaatatac gtggatcaaa ctccctattc 300  
tacattctct ctgaattctg agcatttga tatatagtgt gcctcagacg gacaaccgta 360  
gcaaaagtta tgagcattcg aagtttactt gccatatctg gtatcttatac tggtatctta 420  
tctcgatcc tatctcgat cttatttgct atcatat 457

<210> 32535  
<211> 400  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32535

agcttggttt gaggtactta cccgttgaag actgaagaac gtcgaagaac ggtcaaaaaac 60  
cttcgcggaa tcattcacgg aaacgttact gaagcgcctc ggcttggatt ttcttcacgg 120  
aaacaatttt cctaagcaaa ttcgaacaga gagaagtgcc taagggctc aaccctttc 180  
tacttcactt cttcccattt ttatagaaaa ttgggggaga agcttgcac caagctcgcc 240  
caggcgagca gggttgcttc ctccagaagc aacagccttc tggaggaatc ttggggaggg 300  
cccaagtggg cctgggttgct atttgcaccc ccactttac taaatacacc accttgcct 360  
tttttggaga tntcttttt tgaaagttac gggaaacttac 400

<210> 32536  
<211> 430  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32536

tcttatccaa ggctcatctt ggtggtaag ctcccttcc catggcttat tccttaatgg 60  
atggcgcctc ctctcacctc ctttcctttg tcttccgctg catctccatg gtggaaaatc 120  
accattaaag gacccattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180  
gcttccatca cacggaccta gtactttgc ttaccttgg ctctggactg ggtcgctaa 240  
ttggtcgacc atgtgtcgta ggcagtgcctc taaccttnt gtggataagc tgcgcggctc 300  
tgcaagggtggc gccccggcgtc tggtggccgc tgtcgccaa ctccaagctg ttgtgggtc 360

ttgccttgcg cctgcttggc ggccaaatact tcttgatgaa agctcggtca gatatggcgcc 420  
tgatgacctt  
430

<210> 32537  
<211> 442  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32537

ttgcgtagcc gctcttggtg aagatataat cacgcgccac atatccactc ttatgactag 60  
catatttggaa gacactctag agacttgaca tgaacatacc ttccaacacg atgatacggtt 120  
cctactgtac tgtttgagtg acgactgaca aggacccaca caccggacct ggatgatact 180  
tcatacacta ctttatgata agtgagtata tatgataata gtcctgagcc cgacgcaaaa 240  
gataaacactg cagtattatt ggcacttac taacttcacg gaccagatcacgcngata 300  
acaccatcg acaataattc caaccaagag gaaatcatga ctacacatag cagacgcaat 360  
aacagaccag aacgcaacac acacaggccc aagtacctaa gtgacttctt ataatgacca 420  
ctggagatgc aaccccgatc cc  
442

<210> 32538  
<211> 282  
<212> DNA  
<213> Glycine max  
  
<400> 32538

tgcttctaca gttttgtacg atatatcagc caattgactc tgtgtgtcat taaactctaa 60  
tatgcactcg ccctttgaa catggccttg atggatccga cgccttattc aatatgcttt 120  
gctctagagc gccgaatata atttttggat agattgatcc cttcatatt gccacaacgg 180  
atacgcataat gtacaagctc tcagccatta tcagagagtt gctgtctcat ccaaattgatc 240  
tgtgcacata aacttccagc ataaatataat tccgcttctg ca  
282

<210> 32539  
<211> 400  
<212> DNA  
<213> Glycine max  
  
<400> 32539

agctttggg ctatcaattt gaggtcaaat acaagccggg gtttagagaat aaggcggcag 60  
atgcctgtc aagggtgtcat ggtagacctgg aattttctgc gttgttgtct tattcactt 120  
ggctggatgg agagaagctg ttgccgaagt caggcaggac acaatgcttc agaagacagt 180  
caaagaacct caaatgaatc ctgatttcaa ggctggttct actgtgcagc aaggtatttt 240  
gttttatcag ggtagtttg tggtgtctcc taattcacct tctattcctc tattgctgaa 300  
agagttcat gagacaccta tggaaggtca ttcccgggttc ttgagaactt atagaaggaa 360  
agcagctaat ttgtattggc caagaataca gagatgggtc  
400

<210> 32540.  
<211> 376  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32540

ntaggctgct caattgctcc aaatagctgc atagaaggc aaagttcagt attgtggta 60  
gcagaggagc ataaaccaca gactcttgcg acaggtacaa atttctgata caagggcago 120  
tgggttacca ggttaaccaa ggcacatctgttaccctcaa gcttcttagt ttcatgatgat 180  
gaagatgaat tcgtggctac ctcatgcact cctctaatacgaaatggcatttctggca 240  
ctaaattgct gggagttgga agccatcttc tcaattaaat tcctggccca gtaggggtca 300  
tgtctccagg gctccaccac tggcagcattc aatcataactt ctctccatgt tactgagtcc 360  
ttcataaaaaa tattgg  
376

<210> 32541  
<211> 407  
<212> DNA  
<213> Glycine max

<400> 32541

agcttgtaaa ttaattaaat ttgttatctt tgtcctcatt tcttggtaga ggtccaatat 60  
ggcagcttag ttgtttatgg atttattcat atagtaactg tgatcaggtg tcgagtagaa 120  
ttgcaccggg ccaacaacaa ccgtggaaaa acttggtaata ttccatattaa aacaagtgg 180  
gtatcattta aagatttaat tcttggtaaa atcagactgt ttgccaattc aggaaacaag 240

gaatgcccta agatgatgat ttgtttggaa actggtatta ttaacatcc tttcttctca 300  
atgtgactat gcaagtcatt atgtcagcaa atattcacac tttttaaaaa tccttccttt 360  
ttgcaaagtg aaattcactt ttggcttgaa gcacatgaaa aatatgg 407

<210> 32542  
<211> 396  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32542

tgtagaatgg ctagacatga tacatgtcag ggtttgggtt ggttcaagga taaaaggat 60  
gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaact ttatgcaaaa 120  
ctggtcatgc atgcacccat gtggacactc aagtgtcaaa ttttttatgg tcatgtgatg 180  
ctaaggctca cgactcattt cctctattt aaatcaaccc aatgtttcca aaatatgttc 240  
ttttatccat ttgtgcattc atccgagtcc atttcggcg tncggcaaattt ttcacagcat 300  
tacccttcag gtgttagacac attttccaaa aattggttat gatcaatgaa ttttttcaa 360  
agaacagttg gaagtcatct cttttcaaaa gcatgt 396

<210> 32543  
<211> 405  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32543

agctttagatg cacgcagaga ttaacgtcgt ctcatgcgcc cttcgtcatt cgccggccgac 60  
aagccccgtt acacgcggag atttacataa tcttccgcgc tcacaagata tgtcatactg 120  
acttttgagt cacgctgacg ggccgaatac ccgagtggtt atccgtataa accttttgc 180  
tatctgtaaa acgaaaagcc tgatagcacg cagagattaa cgtcgctcc tgccgcctta 240  
gtcattcacg gccgacaagg ccgttgacac gcggagattt acataatctt ccgcgcctcg 300  
aggatctgtc atactgactt ttgagtcacg ctgacgggca gagataacccg agtggttatac 360  
cgtataaaaca ttctttcttg cttatctgtaa gacgaanagc ctgat 405

<210> 32544

<211> 451  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32544

tgtaatcaag gaaatcatgg ttattgcctc ccatatacaa ttccagagag gccatggngg 60  
agggaggaat gaagatgatg ggtaattcta gcccacttcg gagactcgag ttagttgggt 120  
agggtcaaga aagaaattct gagagagaaa gaatgaagat gataacgagg aatgaagacg 180  
aagatgattt gttcggAAC atgcataattt atactgaaac agaaacaaat ttcttgtat 240  
tcagcatcca atccattctt ttctttctg ggagttggaa gatcagccc acatgccgga 300  
natgaattac tatcactatt ctanaccag tagtgtacca tttcattaca atttctggca 360  
tctatataca cacgcctaAC ccaccttgc ccataccctt ttcatgtttg aagaggtAAC 420  
ataccaagct atgcttgagt gggttacttt c 451

<210> 32545  
<211> 506  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32545

cggncggcgg gntttgagac cttgccanta cccacacttt tgataatnna ccatctgagc 60  
tgtgnanagg antgaagcta tgataccacc tgggtactt gtgggcttac atatgaataa 120  
gaaagggggg ggggttgaat taagatttct caagcttattt ccctccgtat tgagtttgct 180  
tggatctcga cccgagacct cgaggccctt gtaacgtgaa ttctaaatg tcatangatc 240  
tgccccctacc ggtagaagct ttatgttat ttatatgtat gaagtgtgg gactatgata 300  
tgcacacgca attcttataat tgggtcgca tagtatctt cgttaagtcca aaccccaaga 360  
gatctcgctc ggtatgtgaac attataacat gtaattaaa cctattgaaa cagacgacga 420  
aaactttct ttgtctcgaa gggcttcgaa aatagaggga ggtgttgacc acgtttcgaa 480  
cgatgagatt acaagagcgt ccgtcg 506

<210> 32546  
<211> 135  
<212> DNA

<213> Glycine max

<400> 32546

gagcctatgt tccccttct ttgatttcaa gctgattacc agccttacgc gacaaaccat 60  
gatatcacct tacccttaaa gaatttcgga gctctggaa tgctttggga ataagcttcg 120  
gaataagcgt gtgtg

135

<210> 32547

<211> 425

<212> DNA

<213> Glycine max

<400> 32547

tgcctgtccg atgcagcaga aatgatggcc taagtatgtgt tgtggagtgg ttacgagccc 60  
gaatgggtgt aggcaaggac aacggcagaa taactagccct gataaatgcc taagagaaaat 120  
catgggaagt atgggttaag ctataaaccc actcacgcag atataaacag aaggattgcg 180  
ggaccgcaac caccgagtca agtctcgcg gttgaaacaa gaaggcgaag gaaacccacc 240  
ctgccacata agtaggagct ttataagcgt gggcttaggg gacgaacgac aagttgtgc 300  
aatatacgaa gataatgttc cgagtgcatt gaatctggta cgaccgtgct ctcctaattc 360  
tcgactaaga aaattgcgag tggaggagcg cccggacatt cacgcaacaa gcataatgta 420  
cacct

425

<210> 32548

<211> 306

<212> DNA

<213> Glycine max

<400> 32548

tgatattatt attatatcga gtgaaaggga caagctggct gtggatgtgc tgaatatgaa 60  
tttgtagcc actttctaaag ttcaagcatct ttttagaatt tacgagagca ttctgtgaaa 120  
acataagtgc tggacaaatc tgtctattaa attataccaa atcatgttcc tggccataaa 180  
ttctccgctc ccttaaacat tctgtactgt tcttatctt aaatatttc ttcaatttt 240  
tttataaggt ttatcgacac ttaaattaac ataatccaaa ataatcatga tccgaagaat 300  
tggata

306

<210> 32549  
<211> 293  
<212> DNA  
<213> Glycine max

<400> 32549

atggtgacac tataatgtatgg gatcaaccat atcatagcat actacagaat ctaatattgc 60  
tctataatct ttatattctt tcaacgaccg atcgcttagt tactacacaa gcattcacca 120  
tgtaaaactgc ttgcttctat tacactatgt gggcgactct ctcctatgca gatgatcaca 180  
tattcctgtat atacaccgaa aggctaactt tgtttacaca cgaaaatgat cttcatgatg 240  
actatctacg gagatataat gatgagatgt atagaatgta atctaaaaaa cat 293

<210> 32550  
<211> 449  
<212> DNA  
<213> Glycine max

<400> 32550

tatggactta tggtttctat cttattgtat aaattttcta ggctttggag aaatataaggc 60  
ccttgaacat actagctatt tcattgaaag gttggagaaa gagcttgaag agtatcatca 120  
acaccccttgca aagtttaaaa aaggaaaaga ggataccggt aaagatgtta gttttgttcc 180  
atattaattt aaaaaaattt tctatacaat gcttgattta gaaagaaaaa tgtcataaac 240  
aaactcgaaa tcttgccttt ctgtcccttg caagttggaa tatatcataa catttataat 300  
aaatttgtat ccagttgatg ttttggaaagt gtggcaaagc acatccacta gggattatga 360  
aacagtttga ttacactaga caagtataat ttaaaatcaa aatgtatgaga agagaataag 420  
tggaaaatga ctaagctata taagtgttt 449

<210> 32551  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32551

tagcaaccag ccccaaaccc aatttttgc gaaacccaagt gtcatgattt cttatattacc 60  
aattttgcta gctgttgcatg ttgcataat gttttgtat gtcatctacc tttggctca 120

tctctttacc ttacaattca ggcaattcta tcattaccct ttttcaatat atagaattgg 180  
caacacccca catattaatc cagggaaattc caccactaat agtcagccta taatccataa 240  
ccaatgaagt cccccatctc caatttattc catcttctaa ttttattgta gtttctgcag 300  
atttaaaata agcgctcggt tcttcgtttt aacataaatc tattgcttag cttataattc 360  
acccaattct gcctttagtc attntcaaca tgcagaacta tcaacatgca aagagatctg 420  
attatacaaa agccaggatc aacagaaaac gtattat  
457

<210> 32552  
<211> 422  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32552

gtacgttagta cgtagtgaag ccaaaggct gtcgacaagc ataatttcat catctctgaa 60  
ggacaactgt ttaatggtagt acatgtgttc ggtgcacaaac tagtagcaat ctaaaaaaat 120  
aggccgctgt cagaggcctt ctcatggact atagttaaa aaatgcaata atgaagataa 180  
gcatctctcg actggcgtaa gaatatcaag tagaaaaagaa accattacat gtaagcttcg 240  
gcgggttatcc ataatcaggat cattcttgat ttccctcaaa cggttcccct ctttacagg 300  
attctgaatg tggttgtgtg ttccctcctga agatgaatat tttggaagtc cctagtagcac 360  
gtaaatttct tcaaaaacttt atactntggtt tggttagatt agactgcaac tggttcaatt 420  
ac  
422

<210> 32553  
<211> 380  
<212> DNA  
<213> Glycine max  
<400> 32553

tcttatccaa ggctcatctt gcgggtgaag ctcccttctc catggcttac tccttaatgg 60  
atggcgccctc ctctcacctc ctttcctttg tcttcggctg catctccatg gtggaaaatc 120  
accattaaag gacccattg aagctcaaag atcaagcctc catagaagcc ccacaagcaa 180  
gcttctctcc cgtggaatca gagcacaaga gcttcaagta ggtgcacattt aaacctccat 240

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taattatTT tctttacctt ctcttcatt gttgattctt cattttctc catgtatctg 300  
ctcacatgtc ttgttctaaa tgttattaac atgattcgTT agagttcca ccgattaaac 360  
ttgctataga agtttagattc  
380

<210> 32554  
<211> 439  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32554

tgtgatggat agcaaaagga gtatgagttt agtatatact tatgtgtgga aggaaaaaac 60  
ctttcggcct tatgtctccc taaaaccctc ttttgtgctg aaatactta ccccaaaaca 120  
cttctccctt tctccaagaa acccaccatt ggagaaacct taagcttgg tgggtgcAA 180  
aaagcacctc tccccctctcc cttagttt tggtgactgt cccttggta agtaatctac 240  
ccctcttcct cccttggttc cattttccgt ttctcataaa acatccatgg gagctcatga 300  
ccaagattgg gttttgggt tttgatttcg ctcgtggcta tttttgggtt tggggcaata 360  
ttgctgagat gaacttgncg ctggagtcaa gaaaagcttc tcncttggac ccaaagtcat 420  
catttctcct ctctctcac  
439

<210> 32555  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32555

ctctccccaa ttttctataa ataggggag aagtgaagta gataggggtt cagcccccta 60  
ggcacttctc tctctttcga atttgcttga aaaaattgtt tccgtgaaga aaatccaagc 120  
cgaggcgctt cgaaacgtt tccgtAACgt ttctgtgagg aatttcgaa agtttcgac 180  
cgttcccgac gttctcattc gttcttcattc gttcttcattc cttcaacggg taagtacctt 240  
gaaccaagct ttgcattca ttctatgtac ccgtgggtt ccacattgcg tttcggttat 300  
ttttattctc gttcgTTTA cttttatac cccctttga cgtgcttaag ccattntatt 360  
taagtcatTT ctcgcttaac ctaacaataa aataaatttc caccgatcgt ttgaattgta 420

ttatccgcta acttcggtta acatgaattc cgaccg

456

<210> 32556  
<211> 409  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32556

gttcgattca ttctatgcac ccatcatggt ccacattgtg tttcgcan ttttattctc 60  
gttttgtta cttttatac cccctgtga cgtgcttaag ccattttact taagtcattt 120  
ctcgcttaac taaaaataa aataaatttc caccgaatgt ttgaattgta ttatccgta 180  
acctgccccca aacaattcc gaccgctcgg tcgtgcccga accacgttgg aaatcaaaaa 240  
gagataaaaa aataatataa ataaaaaaca acatcttta gtaaaataaa gcggaaaatc 300  
aattggacgt ttctctctg ggatctctca ttcttaatcg aattgattaa taactaaagc 360  
gaaactaacf ctaatatcaa ctcgcctagt caagctcgtc cataaaaaat 409

<210> 32557  
<211> 415  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32557

tgccacccag ctcgccccaa atcacaacaa ctttgaatc aaaggatctt gcttctatga 60  
cacatgctaa gctatttggg aaattaaggg aatacgaat ggactagata ataatggttt 120  
aggaagaaga aatagacaaa cagattaagg gcttggcctt gaagaccacc attctgttaa 180  
gcgcgatagt aaaatgacaa tgcaaaaggg ttagatgcta agaatctaaa tttcttgta 240  
aaatggtag acaaatttct caagaagaag aagaagaatt ttgatgatag aacctttcag 300  
taaaaaaaaaa aactcaagaa gagtgaaccc tcttcctcct ctggctntac atgctntgag 360  
tgctacaaaaa caggccatat canagtagat tgccccaccc accacaagaa gcaat 415

<210> 32558  
<211> 441  
<212> DNA  
<213> Glycine max

<400> 32558

tgagtgagcc accactacta ttatTTGta tagtggaaAGA atctccatAT tggagaATTa 60  
gaatcgTatG ctcccattac tacCTTCtt taattactaa gTgtctatct taaacttcac 120  
gaagtggaaa agtttgaggTT ttcccaaacAC ttctAACAAA cattAGAAata aatatttaca 180  
tctGCCattc caacaatcca gatTTGtaa aataaATGGT tcctaACATT tttctactat 240  
taattaaatt tatttGaaat aataaATTtT ggtgggtgtt actttAAAt ttggagAGtg 300  
atcgacAAat tactAAatGA aaaAGtggAA cttaataAAat atgttGttt caataAAattc 360  
tattcgataa tataccctgt taagaagAGt gttagAGAGt gcccgtcaat attcgTctta 420  
ttttgtctca tctaccattt g 441

<210> 32559

<211> 318

<212> DNA

<213> Glycine max

<400> 32559

cgcacacACTg accgctacta tagcttGAAC atgacactta tttcacaACC atcggtcttt 60  
ctcatcatct cccaaatgct ccatataata tatttctttt cagcctcaAA cttatcttat 120  
cttgctcaat aaatgcgcgc atgatAGGgc actaccctga atctgacata atactcccc 180  
ccacactcca tctattggTT cgaatggatC tctttgcatt atacagcatc accttatctt 240  
tgaccttGttt ggcagcaaAC cgaagacata ccacctgtcc aatccaattc ttatgctagt 300  
cacttagcta ccacctac 318

<210> 32560

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 32560

ccaaACTattt aatcgattgt cttaCCGca caaaACatgt gctaaatctc aatcaaACAA 60  
aatcctaatt aactcttata gtgtgtccgc acggagAAAC tcacaactct aaaaaAAattt 120  
aaattctaaG aatttccaat attccaatttG aaattctctc attctccAAA ctttGttt 180  
ctcccccccccc ctccaattat gagatggAAA aaatGAatGA acaaaaAGAC aaaACatgt 240

tgctatgcta gttatacgta ttgctcctct atactcacac tccatcgata ttttangagc 300  
tcacacggtg ttcc  
314

<210> 32561  
<211> 438  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32561

cgctactnac acgctataatc tctttgtaa gactattaaa cattatacat ctcttacaat 60  
ggaagacaga agatacacaa tactactatt cctaagaaca ctcccttctc cttataataatg 120  
atcattccta ctctctattc tttcacagac atcactttca aacacctaac gcattttccc 180  
ccctcctccg cgcaactgaat ttaataggat ggatataaaaa ttgacacgag tgaccttctt 240  
actcccttga agtgttctgt ttgcactcg tgatatcacc gtcaaaccga gtgtagctcc 300  
cccacgttga gacctatgcg cttgcctct tgccacacac aacttcttg ataagtctat 360  
cttaaagact tcccattcct cacaacgatt atcccgatta tactaccta ctggAACAC 420  
tcaccaaaac aaggtccc  
438

<210> 32562  
<211> 348  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32562

tatcanaatc tactcttcta ngaacttata gaaagcttca cattctatct tatgaataag 60  
gtctcaatta atctgaacat attgaatgac ggtgtgtttg cgagaacttg tgtaggccta 120  
tcttatgaca taaatgccgg tgtaagtgtt tggatgagct catgacagta acttacgata 180  
tgtnccccc tcgccccaaac taatttcaat atnctctata acatagctt tgaaaacaac 240  
ttaaccgctg tattaaaaca gtttaatatt tcattttcaa ttctcaaaat actttttaca 300  
taagtgccta catgtgtgta attggataaa caacttaaga acttattc  
348

<210> 32563  
<211> 458

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 32563  
  
 tcaagagacc gcttcaactt caagaagatc ttggaatgtg gcatattcaa agagtcattg 60  
 ttactccaaa agtctaggc aaggtgaatt aaggagagag attgcaacac aaaacttttt 120  
 cattcaatca atgagttcca taggcatgga gtccttccaa gaggtactaa cttatcttt 180  
 ttagatcaac tgccaatgtg ataatacaca aagtttagat catttagac ctatttctt 240  
 ggttggatgt ttgtataaaag ttttggcaaa gatTTtagct aatagaatga aaaatgtact 300  
 tgataaggtg attgatccta gctaaagtgc tttcctagag gggagagaag ttctacataa 360  
 ttcggtggtg gccaatgagg ttgaggatga agtaaaaagg ggaaaaaaagt catgttggtt 420  
 gctcaatgtn gcatttgaga aggccttcaa ctgatgt 458  
  
 <210> 32564  
 <211> 457  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 32564  
  
 tctatggagg ctggatctt gagcttaat gagttcttc aattgtgatt ntcaattcta 60  
 gagatgcaac gaaagatgaa ggagaagaag tgagaagagg tatcatccac tagggaaaag 120  
 ccatggaagg aggagcttca ccaccaagag acagccttgg ataagaagct tagagaggaa 180  
 gattcttggg gaaaaaaatg agagagagag aggggggagg cacgaaattg aaggagaaaa 240  
 agagggagag aagttgaact ttgaagtgtg tctcacaagt tttacattca tcaaagttat 300  
 gacaagtgtt acacatgttt ctatTTatag cctaggtcac taactaaatg aaagcttcct 360  
 tgagaagcta gagcttagct acacataccc ctctaataatc taaggtcacc accttgagaa 420  
 gttcccttga gaagttaaag cttagctaca cacaccc 457  
  
 <210> 32565  
 <211> 456  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations

<400> 32565

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aacacattct gtcagattat caagagaggt tatgaagaat acctagatcc ataatacgta 120  
gcggaaattaa caattataag gagcaattga ttggtgatct tcttcaacca aatcattgtt 180  
ttccttgg agacttcatt ttctcctcaa atggggagaa gggaaagggtt ttcttgattt 240  
ggtgtattgg ggaccacaac catgcttgg gtttttaacc tattagagtt ttcattattc 300  
cctaacgggc caaacctatt tccacttta agcccatatt aatttctga tgatagccta 360  
ataggctcac caaatttagat cacttatatt gagcccatag aanaatataa ataactaata 420  
taaatgttat aatataatat gtagcccaca ttaatt 456

<210> 32566

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 32566

ntgtataatc tgagatacta gtctacaata ctaccagatc gaatttataa aaccatcttt 60  
cttaaataat tgaggttcat aatcattagt tttttttaa atgatatatg aacagtgcag 120  
ctttttgtc ttggttataa ttgcattgtat ccataccact tggttacgag cttgcttaga 180  
aactcaataa ttagagctac ttgatattat tggtaattt ttttgaact gattgcgagg 240  
acactgtcag caactcagca tatattcttc ttctttttc attaactatc agcatatatt 300  
ctatatttcc aaatttttagt ggacgatata taatagttt atattttgat tcatagtctt 360  
ctatgtgtca gtgtatattat tatacatgcc ccggcctttt cttagctccg ggaccaagtt 420  
ctacgtaaaa tacaattata t 441

<210> 32567

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 32567

tatagatnta accaatgctt ctatctagtt tatggttcta ttatcacttc agaatgtttg 60

tctgaatttt tcttcagaat gtttgtactg aattttatat atatttctt cttactgaat 120  
tgtgcgtgtg cgtgtattta tttattatgt cttagttgc tcttatcgct gttctttgt 180  
ttccccacc taccctttgt aacgaatctt ttaaatatgt aagctcattc ttgctcgcta 240  
ttgtatggc tcttaatca ttgcactgac ctttttggc tggatgtacg gactgcgtta 300  
gtgagttcca cttcaatcca gtcttgaaca tcgaactcga tcaaactatc catgtgctta 360  
ttgactgagc tgatcgaatt acaacatcaa atattttac cgt 403

<210> 32568  
<211> 391  
<212> DNA  
<213> Glycine max  
  
<400> 32568

tgccgccacg gagtttccg actatgctct tgtgtgggg aacaagctac aaaaggagag 60  
agcaagacat gaagagccaa tgggtgatac atggacagag atgaaaaaaga tcatgaggaa 120  
gcggtatgtg ccggctagtt actcaaggga ctggaaattc aagctccaaa aactaaccct 180  
aggcgcacgg gggcgaggag tatttcaagg aaatggatgt gctcatgatt caagcaaata 240  
ttgaagaaga tgaggaggta actatggctc gatttcttaa tggtttgact aatgatatcc 300  
gtgatattgt tgagctgcag gagtttgg aaatggatga tttgctccc atagcaatcc 360  
aagtggagca acaattaaca aggaaggag t 391

<210> 32569  
<211> 226  
<212> DNA  
<213> Glycine max  
  
<400> 32569

tcatgtgaa tcacgattaa ttcaaagaag tcttgatgat tattaatagc tcaaagatca 60  
agactgagtt caagattgaa tcacgaacac ctacgggttc ccgaggaact ttgatcttcc 120  
gaatcaagaa tcaagttca agattcaagc ttccatgaat taagatctcg attccgaaat 180  
atccccccca ccccagacac ttaataggga aagtatgaat ttttct 226

<210> 32570  
<211> 450  
<212> DNA

<213> Glycine max  
<223> unsure at all n locations  
<400> 32570

tggataactc ctcgactntt atatcaaaat ttgttgaca taacaagtgc ctccaaggcc 60  
agctattagg cacgttaacg ttcatgtcca ccaatccatt gatccactct atatataactt 120  
ggtagtttt cattccctgc ccgacacgtt cacgcaaatg ctcaaaagcc acgaggatcc 180  
gctccctctt ctccgtaatg ataacgttgc ggcctctcat tggttttca ggcacgcggg 240  
aaagagattc ttggatttgg gaaaatgaca gaaagataca tacccatgtg ctgatggttg 300  
agttgagtgt gtttgaatgt tcaacagtag tatgcctgag agagaattgt ttctctggga 360  
acaccatctg gcatgtcatg gctatatatg aatgatttat ataagtactg catgtatgca 420  
gccatattgg atctttgtgg gacatggat 450

<210> 32571  
<211> 408  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32571

tgctgccaaa acaacagaag tacagatata atagatggaa ctgttgttataatctactc 60  
catatccccctcgcaaaagaa tccaaactcg ttgcacaatt ttatctgaat ccgaaatagt 120  
tactgttagac tgtgtgtcta tatatatata tatatatata tatataaaaa gacgttggga 180  
tcccacatga caaatcagac aacaattttt gggagtgtga aacatggctg ttgtagtgca 240  
tggtggagg gaattaaggc tgagtgtgat tgacagacac aaataaagcg actcttcatt 300  
ttatgactnt ctccatgaaa ttaggtacta ttatgtccga ctctctaaaa ttattaggc 360  
tcctttaaaa aggtggcaag tttttttct ttcttctct tttcaat 408

<210> 32572  
<211> 432  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32572

tgatcaanac anaatctata cattcgaatc cactcaattc atacaactct cattcatttc 60

aaacacaacc attcatttca aacaaaacaa accactgaat atcaaattca actagttcat 120  
tgttcaaaca tgctttgta caagctacac acactcaaac aacagaaatt taaaagacta 180  
ctccagcata actaaataac tgacatgaac taaatagctg ataaaataaa ctattcaaaa 240  
tttgcaaaaa tttaaaaact atgcaggatt caccatctct cccttgataa tggggaaagt 300  
atctcaccag ctcctcaaac ttggctggat attagccac aatcatgttt ccctgcttga 360  
gctccaagaa ctccatctct ttcttggcc taacttcctc gggaaagtat ntctncaaaa 420  
ataccctctt ga 432

<210> 32573  
<211> 426  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32573

taggctaaat taggctaaaa ctnttgtaag ctacttgagt tgagtctagt cttacatgag 60  
ggatttgcgg acgaaactca gtttaagtta gtctaaacgt aagaggactg tctaaattgg 120  
gcctggctt acatgaggga tctacggacg aagcttggat taatatggcc tcatgagcat 180  
cgaggctaag taathtaggc tacaacatag aacataagag catgattgtat tagagaaata 240  
tatttctata catcagctt tttgttagaa agacctaaca tttctaccta ctgctatcat 300  
ttttattttac ctgcattnt atagttctag cataaaagtt tagttaaat tctgtctaaa 360  
attatcactt atacatgtta tctcaacaat gcttcaattc taaaacttaag tcacgctaac 420  
attagt 426

<210> 32574  
<211> 403  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32574

nttaaagaat catgctnctg gaaaatcata taaattgtgg tcactcttaa ataaatgatt 60  
ggttaaaagt cacacaagat aaataattat agaaaaataa aatataattaa aatttcacat 120  
caattataaa taataacaaa ataaattac aaactgcttt tataagatta atatatataat 180

atataatcata tatataaatat atatatatat atatatatat atatcacatg attaataaaa 240  
cattctctcc tctttccgc tctggcctt gtgttattgg agagagagat atcaaggcct 300  
cgccctctat atattatgtc tgtctcctaa tttaatgct aactcacaca aattacatgt 360  
ctaaaaattc ttatctgaat accgatactg ttcttcgtc aag 403

<210> 32575  
<211> 461  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32575

ntcacaacat ccaagcaaaa canaattcat acagcacaag ctattacagc caagcaaaac 60  
agagcaaagg cagaaaactc tgccaaaaca ccaaccaaat cacagcttt ctcacttaaa 120  
gaccccagta acaattcctt cgttccgggtt cattaaccgt tggatcgact cgaaaatttt 180  
actggactct ctaatattaa gcctacattt tgaccgttgg gatctactag caaacatcca 240  
gaactcattc tgtactactc tttccacagc caaccacaca caagcatttt tctgcacaaa 300  
gccaaaattc tgctgcacct atttgacag caaaattctg cataagtgca gatttcgaa 360  
aatcacactt tccctcatcc aatattgccc taatcaattt ctacaagtcc cacatcatgt 420  
atcaatcatg tctaaaccaa agtcaagctt tanagcacaa c 461

<210> 32576  
<211> 453  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32576

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gatggcgctt cctctcacct tttctccttt atcttctact acaacttcat ggctaaaaat 120  
caccattgaa ggaccccatt gaagctaaa gatccagcat ccatagaagc ttcttaagca 180  
agccccatca agtgtatcag agcacaagag ctcatgttag gtgctttta aacctccgtt 240  
aattttcagc tataccttct cctccattgt tgattctgca ttcttttctt ccatctattt 300  
cctcacatgt cttgtgttga atgttgtttaa catgattctc tagaattttc accgattaaa 360

cttgctata g aagcttagatt tgattctcta tggttcacat ttcttgttct tggctggaa 420

ccatgaattg tggtagttt gggttcctt gag 453

<210> 32577

<211> 453

<212> DNA

<213> Glycine max

<400> 32577

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gcgccttagag ataaggatg agtttataac aattggggtt agagtgaaca tgtgttaggaa 120

tccttagagg atcaaactgg ggttaatttt ggggtatccc atgcattttta atttttctag 180

tacctgataa ctacaattgc tcattttga tgggtcaatt gatgccctga tgcaaaatgg 240

atggtttaat tgagtgtttt actttgaatg tttagaatgag gggtaatttcc ttgcattttt 300

tcttggaaatt gattaagggg ttttggcccatgatgtga tcacatgttc tatgctatta 360

accgaatgaa taagtgaatg attatatgcc ttatatgtatg gaagattgct attgtatgag 420

aagtaataat atgttagtga gaaggtgtta tga 453

<210> 32578

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32578

tgcttgga gcttctatgg aggctggatc tttagcttc aatgaggtcc ttatggtg 60

gtttccacc atggagatgc agtggaaagac aaaggagaag aggtgaggca ccatccacta 120

ggaaataagc catggaaagaa ggagcttcac caccaagata agccttggat aagaagctt 180

gacgatgctt catggaggaa aagaaaggag gagagaaaga gagaggggg agcacaaaaat 240

tgaaggaaga aaaaggaga gaagttgaac tttagttgt gtctcacaag actctcattc 300

atcanaatta caacaagtgt tacacatgtt tctattata gacttagtag ctcccttgag 360

aagttntctt gagaaaactt ctttgagaag cttctttgag aaaacttcct tgagaagct 419

<210> 32579

<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32579

taacananag aaaacaatac acagaagaaa gctntacaag atggttgacc taagaagatt 60  
atgacaacaa agaacactat tatacaaggt tggcatgttc taacccaaat agaactgaaa 120  
gactgaggtt tttttttaa agttgttgat tattcttga gttaatattc tattaatttc 180  
taacccgccc tcgccttatt cattggcagg tgtttattt aatgaaacaa gttatgccct 240  
atacatgcattttgcattca atgattgaag agatggatga aattatagtt gcgcagcca 300  
cgccacatgc cggttaattt agaaattaat cccaaataag tataaaaatt aaaatacata 360  
tataatgctn tacaaaaatg gcatataatg cctataaaag ggagggagat cctttagct 420  
aaggcattcca attntcacga ctatacttac tatatatata 460

<210> 32580  
<211> 420  
<212> DNA  
<213> Glycine max

<400> 32580

taatagaccc tcgtggaggt acagcagtaa gaagaacgta taaaaccatt ctagaagcta 60  
gggggtggtga tgtaaacaga ctataggccg ctaggattgt tagttagctg ttacgtaact 120  
aactacatgt ataaaagcca tgcacgaacc cgtgaaggta ttatggaaat aatattctca 180  
tttccagcta gatctttctc tctcctctct tctctcgtag aatatacagt ctcgaggaat 240  
gctacctcta gcattggtgc tttcattgca tcctctccgc catggctgat gcaacacgat 300  
caaagacaag catggagcgt tggaaagacg cgtttgcaaa gctcttgca tccatgacgt 360  
taaagttcga cgaacttctc agccatataa atcacctaga aagcctccac gccaacaatc 420

<210> 32581  
<211> 451  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32581

gttcgattca ttctatgtac ccgttagtggt ccacattgtg tttcggtcat ttttattctc 60  
gttgtgtta cttttatac cccctgtga cgtgcttaag ccattttact taagtcattt 120  
ctcgcttaac taaaaaacaa aataaatttc accgaaacgt ttgaactgta ttatccatta 180  
cttcggctaa ataaatttcg accgttcggc cgtgccgtaa ccacgttaaa aatcaaaaag 240  
aggtaaaaaaaaa taatataata atcaaaaaga catcttttag taaaataaaag cgaaaaatca 300  
atcgacgtt ttctcttgg gatttctcat tcttaatcga attgattaat aactaaagt 360  
aaactaaagg ctaanatcaa ttgccttagt caagctcgtc cataaaaata ggctcttcaa 420  
gtttgtcatt tcattntctc actaagtaaa a 451

<210> 32582  
<211> 429  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32582

tgattcgtga gttgattcta accttggttt cacttgatt attagtcaat taattcaagg 60  
aaacttccaa agaaaaatgc ccgattgatt tttttttat tatTTTATTc aaagatattt 120  
tgattatttt attattattt ttcaagata tttgattat cctattatta tttgcttt 180  
tccgcccact cacgttacaa cgtaaacat cggttagatt ttacttaat agtGattaaa 240  
caacattaca ataccaatga tcggntgaaa ttcattttat catttattag gcgagataac 300  
ggcttatata aactgttaaa gcacgttaaa aatggaagag aagacaacta acagtaagcg 360  
aaattaaagt gaaagtacac aacaagtcgg gaccactaag ggtgcataga atgaattgaa 420  
agattcgat 429

<210> 32583  
<211> 332  
<212> DNA  
<213> Glycine max

<400> 32583

cggtgacaat aattgggtga aaataataca tcagatgaaa gataaatagg caactgctca 60  
tatgcacaaa aagttcattt gtggatcaa aacaacgtca atttgtgaag gtattaaatc 120  
attcatcaag cgatatgtgg agaaaaagaa tagcctggtt gattcaaca ctactagaaa 180

atcccttta acgcggttct aatacatt taacgacggt agttgaacca tctttgaagc 240  
caacgacatt aaaagtcat gatgtaccat gacgattatg gaataaacca tcttaaaaaa 300  
tatgtctctt ctaagatggt tcttatgtaa ga  
332

<210> 32584  
<211> 454  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32584

ggcctaatta acctgaaatt gagaganaat gattattaaa cacacaaaat ggaagtacta 60  
agtatttatt atctataactt aacaaaaaaaa tacttataac actacaaaat aaccataaat 120  
tggaagagtt tgatacaatt tacataagtt ttatacacaa aagttattca tatttaccga 180  
cgatcttctt acattttat tagcagcctc aactgccccca ttcatctgg gccgataaga 240  
cgtggattt tgggttttggaa ttttggaaatc ctcacacact ttcttcatca tatttgggtt 300  
taaattggtg gcattatcag tcatgtatctt tntggcaaa ccatatctgc aaattatttc 360  
cttcttaatg aacctaatac ccacattcca agtcacacta gcatatgaag ctgcttccac 420  
ccatttgctg aagtaatcaa tggtgactaa aatg  
454

<210> 32585  
<211> 448  
<212> DNA  
<213> Glycine max  
  
<400> 32585

taatccatcg ccactttaac taataaatga aaaatttttc atttaattga tactatgcta 60  
atcatataac aatgaatttg agattcatat tacctcgtaa ccaacggata cgatgggttt 120  
caattaactc ttgctgcaat gaagagcatg cgataccata ccccgaggattt caacaatgcc 180  
cacagctacc atgggtttgg catcagggtc agtggacta cacatttctc tgtacatcgt 240  
tgccagacaa gttagagcccc aactatacca cctgactcgg tcgagatcaa ccaacacagt 300  
gaggtacatc aaatgaaccc tatttcccat cttgtatggc attaaaaccc caccacattt 360  
ctgcaaaatg taagctctac aatgtgcctc taactacttg tgtgtcggtt ccaagtgaag 420

cagtggcata ttatcttgc accactta

448

<210> 32586

<211> 188

<212> DNA

<213> Glycine max

<400> 32586

tgatgtcgag cgtactgatg ggtaccatga ggtgtttct gtggtttgc ccacgcgggt 60  
gtcgaagaga ctgcattggc atctccccc ttcctttatg cccccgttgt cccgactctt 120  
ttggcattag ccctcgcgga tc当地acgtaa tc当地accttc ctctttcaa cacctaata 180  
ctcccccc 188

<210> 32587

<211> 302

<212> DNA

<213> Glycine max

<400> 32587

acatttatct gtatggtgat ctgcacaaga acatagacca cagactctcg caacagggtgc 60  
agatcttga ttcatggcaa gctgagttac taggttgacc aacgcataca attttccctc 120  
aagctttta ttttaataaa atgaagaccc cccccccac ctcatgaact tctataaaga 180  
caatagcatc acttttgca ctgaactgtt cggagccgga acccacttgc tcaatcaa 240  
tcctgacctc aacaggcgtc atatcaccac aggtccacc attggcagca ttaatcata 300  
tc 302

<210> 32588

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 32588

taatccatcg ccacttaac taataaatga aaaattttt atttaatttga tactatgcta 60  
atcatataac aatgaatttg agattcatat tacctcgtaa ccaacggata cgatgggttt 120  
caattaactc ttgctgcaat gaagagcatg cgataccata ccccagattt caacaatgcc 180  
cacagctacc atggtttgg catcagggtc agtggcacta cacatttctc tgtacatcgt 240

DNA sequence analysis

tgccagacaa gtagagcccc aactatacca cctgactcggtcgagatcaa ccaacacagt 300  
gaggtacatc aaatgaacct gattccatc ttgtatggca taaaaccnc accaattagc 360  
tgcacaatgt aagctctaca atgtgcttct aactactggt gtgtcngctc caagtgaagc 420  
agtggcatat tatac  
434

<210> 32589  
<211> 592  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32589

cccctcgta cttctntcac agtcgacgag gcagtn>tag agaaagttca acacgtcacg 60  
ctcacacata cccctctccc acaaccgcgg cgccgcgn ctgctgatac actcgttatta 120  
cgtnactat atatactaca gctacgcacg atcttgcaca tcacgacaac tacaacagt 180  
tctgcttctc attaaagagt gcatcattta cattcagaac agggatgact atctgaccga 240  
acttgtcgat gttgttctgg ataccccta ccagcataag tctcaatgta tgatacccta 300  
tcttcacacc ataaccattt gttgactgcc ctcgccccag caacggccaa ctggacgtgt 360  
atacaagtag ttgcacatcct tatgaatgcg atctcacata taaaactcgc ccttctatct 420  
tctaattgact cattcagacc ttgcgaaact cacctcgaat gctctctcac ccatctgact 480  
cgaagatgta ttcttcctca catcacctat ccagactatt ccgagccaca ctatagccat 540  
gaaccatgc tcgacatcca cctgttcttc catatgcggc ctccccccgc cg 592

<210> 32590  
<211> 514  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32590

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cgagatataca ctaataaagg aacgcgttag ctacgaacgc tctctatcgc agctaagctg 120  
acgcggacgc tgtgctgcat gagattgtcc acaactggta cctatttgcg ggaataacggg 180  
ccacgacctg taatacgggg ttcaaacgcg atactggcta taatggcgaa aggacttgg 240

DRAFT DRAFT DRAFT

gtgcccaccc gtcaacgcctt tgtgatattc ataaagagga gatgaccacg tgggttcca 300  
tggctgata aaatatagcc tgaagtttat gacatccctc cgtgcttctt tattagcg 360  
agcctacgtc cgtccgatga acctatttga cactcatggg gggtaagagg atcacatcat 420  
gcaaacctgn tacgcgggct cacacggacg atggatctat ggcttcatgg agcgccttca 480  
acggaacgtt gccacatgat attcactaga cacg 514

<210> 32591  
<211> 318  
<212> DNA  
<213> Glycine max  
  
<400> 32591

ccttcaagtc gcaagaacaa tcataagttg aaatttggat tcaaataacct tgaaagtctg 60  
gcttgagaaaa aacagaagct gactctaaag ggacttgaat aagctcggtc aacagcttgt 120  
ggctagaaaaa gaacataccaa aaccaatttag aacagatata aacaacccaaa caatataattc 180  
aggactcccc tcctccggaa taacttaata taagccagtg ccataattcg ataatcatag 240  
ctcaataggg taacaaacaa tcacagtcac ccacattgga atagcttca ttgcagccgc 300  
aggactacag attcacca 318

<210> 32592  
<211> 397  
<212> DNA  
<213> Glycine max  
  
<400> 32592

gactactgat ataattaagg tggataaca aaaatggacc atatccgaat ttcacaat 60  
ataaatatga gcaagtgttt ccccaagtaa agtcatgagt acaacctcg gatacagata 120  
tatatgatga caaagcaaataat gaatgaatatac acacaaacaa aagtattcaa gcataatgcct 180  
accgcacatcac catctataaa agaaaaggc cttaggctcaa agcaatcatc tctaacacca 240  
aatcagtgtg gaaactacac ataacataag tgagcaggcg tccacacata acatataac 300  
ctaacgaagt gatccacacc tctagtcaca gtgggtatcc atcagctcca agtgtactca 360  
tcctcgagat ggagcgtcga ctccccgacc tacatct 397

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<210>      32593
<211>      406
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      32593

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ctattttcag attggaaatg cctctaacag caccttgtc aatgatttc ttcatgcctc 120
ttaagtgcag atgtccaaat ctttgcattcc atattctgac ttcatcttct ttggaggacg 180
cacatgtggc gagtaactgg tttcttgagg tgtccatagg tagcagttgt cctttgatct 240
gctcgcccttc attagaactt cactcttc tcattgtcacc aagcattctg actttgtgaa 300
gnnttacattt gatccttcat cacacagctg actgatgctg atcaagttcg cagtcagtc 360
tttaccaggc agtactttgt ccagactagg aagtccatca tggact 406

<210>      32594
<211>      488
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      32594

gcgcgtgang gngntttga tgcantcgct agacccacgn gaantataga aactcacgct 60
tgattgtat gtgatcctaa atggatcaca atctacatat ttgctttgaa cctgtcaatt 120
aggcaatgg aacataatga aatctcacgg acaaatactca cgcatagtc tgagtcttga 180
gggcacatg tcatacatat cagactaacg aatgtcctgc cgccacgatc cttggatctg 240
ccccccctc cgcatacta gaataaaaat aagacttaat ttcaatcta tactgcaaatt 300
ctaaaaact gcgttatgca acctccatct cattacgtat atgccccacc caggtctg 360
tttaccaggc actctatatt ttcacgaaca tctcagcaga ttatctcg ttaaaactca 420
atcgcaatc aaattataac aatattacgt ccacccctga cctctgacga gacaaatgag 480
ttctccg 488

10>      32595
11>      458
12>      DNA
13>      Glycine max

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<223> unsure at all n locations  
<400> 32595

tctagccana tggacttacc ttgaattaat tccttgata gcccctttga gcctatgtc 60  
ccctttctt tgtttgaag ctcattacaa gccttaaggg aaaaaccatg atctcacctt 120  
aaccttaagg aattttggag ctttggatt gttttggaa taagtgtggg gggttttgtt 180  
ggacacatat ttcgtggcta tgcttcatga tgtatTTTgg gccatacttg atgtacattg 240  
tatactggtt aaatgttggaa catgctgaat gatatgctat ttctcaaattt ctatagttaa 300  
aaaaaaacaaa aaagaatttta gttgaatcaa ttcgaaaaaaaaa agacaaagaa aagcaataaa 360  
gtttagtgaa taagatctta catggaaaaaa gaatgtgag actctggct ctactctctg 420  
catctaaatc ttatctttag gttcttttat cttttctt 458

<210> 32596  
<211> 312  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32596

tctagccaaa tggacttacc ttgaattaat tccttgata gctcttctga gccttgttt 60  
ccttccttg ttttgaagct cactacaagg cttaagtggaa aaaccatgtt attaccatat 120  
ccttaaggaa ttttggagct tcggaaattgc ttggaaata agtgtggggg gtttttgg 180  
natcccacca ctcgtttgtc ggctatgctt catgtatgtat ttggccat acttgatgt 240  
cattgtatata tggtaaatg ttggacatgc tgaatgaaat gttgttcat aaaggtaaa 300  
gagttctaat aa 312

<210> 32597  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32597

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gcatagatac gatgcaagct cgataaagga gatgaaggct ctacaagaga gtctaggcac 120

acttctcgta taggaggaga agttctggca gcaaaggaa aaaaatcatt ggcttaaggg 180  
gaaccaacta ctagacttc aggccacgac atcacggcg aaaggaagaa acacattaa 240  
gaagctccaa ggagacaatg aggttgaggt tcatgatcaa gatggtattt atgaggtac 300  
aaaaaatatt ctactgattt cgttactgtc tcgaataagg tttatgagcc aatgttggag 360  
gtgataaatt gttgcattt agatgaagat aatgagaaac ttactgcaat gtttagttt 420  
gaggagttt tagaggtagt gtttcatatg gataac 456

<210> 32598  
<211> 415  
<212> DNA  
<213> Glycine max  
  
<400> 32598

tctagcgtac ccgctattgg tgctcagaaa atcctaagaa cttattcctc ttattactag 60  
ctattttgaa ttcttagtt cctgaatgta caaccttcaa attgttgctc gttcccgat 120  
tagtttttg caaaaaagaa aattaatctg aaacaattca agctgaatcg ttatcgat 180  
tattcccagc accatacgaa taacagctaa acaagtaatt taaaatgtaa cttttaaatt 240  
atgtggattt ttttaatta caattctact tcaatatcta atcttgtaa tctacttagg 300  
ccgattgtta aatatcaata tgaatttaaa ggtgatctac tgataatata aagtacttgc 360  
taatcacaaa ttatgatacg tatcacttct aaatttaact tacttctata aatat 415

<210> 32599  
<211> 456  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32599

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ataagcttg gttaggctc tcttgacaa ggcttgcgtc cactttcagt gaccccttg 120  
gcagccaaatt tgaacgtgcc aagccataacc acaaatgggc attttactt tttgcaaaac 180  
aacaaacatg gacggataag atttgcaaaa aatgggtatt ttctcctttt accaaaacca 240  
gtaaatatta tcttaattgc gtaggttatt gtgttaatct cccttaggaat acatgtacct 300  
agagtaatcc tcatacagag aacactctca cacatagttt aattacactg tgctcagtgc 360

ataatgcaat ttcactactg atgaaattnt ntatcttaggc agtttccaat ttatgtcaac 420

taactaaata aattatttcc acagaaaata aataaa 456

<210> 32600

<211> 448

<212> DNA

<213> Glycine max

<400> 32600

tgttagatctt taatctccaa tactttca caagtttatac aattcatgat gataaaatga 60

gtgattcttt gatcaatctt tagactaatt gcagtgttat tctttcgaa gactctcttg 120

aaatgtttt ctctaaattt gaacaaatca agagtatttt taaaagaaaa cacatagggg 180

ttctataaat ttgacagttt aaacagatcg aatcgattat caaacaaggt aatcaattaa 240

ttcaacaaaa tccatTTTgt tttgcatttc tagaaactgg ttaatcaatt attagatagg 300

gtaatcaatt aattcatttt agtatgagaa tatttgtaac gatTTtagaaa catttaatgt 360

tgttacattc ttttagggta gaaaaatcat tatGCCATT ctatatatta ctcagactca 420

acacacagcc tagagaggtg gtcgacta 448

<210> 32601

<211> 456

<212> DNA

<213> Glycine max

<400> 32601

tgttaggatta tgggttaccc atcacatgtg gtacttaggtg gcgggtcgggc gatggtgcaa 60

aacgattctc cacatccaca aatcacgtat aacccaccat cccctgttgc ccacctccaa 120

ctgagctcac gtactcccac gtagccctta tcctcggtcc tctcaacgtc gggtccccat 180

actcctccca agttccacaa catccaggtt atccacatc caatcatcat ggactaacaa 240

aaccaagcaa aacagggcaa aggccagaaaa ctctgcccaa aactcacacc aaaaatcaca 300

gctttttctc acttaaggac cccagtaaca tttccttcgt tccaattcgt taaccgttag 360

atcgactcga aaattctact ggaagtctct agtccataag tctacatttt gaccgttggg 420

atctgctact aaatgtccag aacccatataat gtacta 456

<210> 32602  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32602

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aacaattatg acctctccag caacagatac aaccctggat ggaggaatca ccctaattctt 120  
agatggtcca gccctcagca acaacaacaa cagtctgctc cttccttaca aaatgttgct 180  
agcgcaagca gacatacatt cttccaccaa tccaacaaca gcaacaaccc cagaaacagc 240  
caacagttga ggcgcctcca caaccctccc ttgaagaact tgtgaggcaa atgactatgc 300  
agaacatgca gttcagcaa aagaccagag cctccattca gagcttaacc aatcagatgg 360  
gacaattggc tacccaattt aatcaacaac agtcccagaa ttctgacaag ctgccttctc 420  
aagctgttca aaatcccaa aatgtcagtg ccatttca 458

<210> 32603  
<211> 374  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32603

tcctcgccc attcctgcga gagacaacat tcggaaagtt tagttacca gaggacatt 60  
actcttaaaa caaagatggc atacaacctc ttcccataca catgaatgtc tatgtacagc 120  
cagcttatgc gtatattcc ttacaaacgc cccattgcgc aagacattct tttaaataag 180  
ccccctcgccc atatacaatc aaggcagctt ngttacctag attatttaca tgtacttccc 240  
aggtgtattt gtcacttaca tcacacacat ctccttgggt aaacttacat gcatgcatac 300  
tcagagcatt ttgcggtacc acaaattgca catgtgcaca tccttggttt tctaataacct 360  
atacctaccc aaac 374

<210> 32604  
<211> 448  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 32604

tataagctt accaacacat caaacctcan agaacaata actacaaaat tttaaacagt 60  
aataaacata ccctaaaatg atagaggctt gcaccgaatt ttgttctgca tgtttccat 120  
tggatgtcaa atgtatgttgc tcttcgaaga catatccaga acttgaggta ttggctgagc 180  
ctactgcacg cataaggca aggatccta tagccttgc aaacggaatg gacatcacac 240  
aacttatgac cacaaggtag atgtctgctg gtgttgata atgatggct atactgattc 300  
agatccctgt cctgcattac agatgccnc atataaaaga gagcatctgc caatcaatca 360  
ttgaaattaa cagctaaatt tcttaccctt ctgcaagaa ctgttgtga agtccacata 420  
tgaacattca aagtatatta ttattac 448

<210> 32605  
<211> 427  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32605

cttcgattca ttctatgcac ccatcatggt ccacattgtt tttcgatcat ttttattctc 60  
gttttgtta cttttatac cccctgttga cgtgcttaag ccattttact taagtcattt 120  
ctcgcttaac taaaaataa aataaatttc caccgaatgt ttgaattgtt ttatccgtcc 180  
cttccgctaa acgaattccg accgctcggt cgtgccgtaa ccacgttga aatcaaaaag 240  
agataaaaaaa ataataaaaaa taacaaaaaa catctttac taaaataaag cgaaaaatca 300  
attggacgtt ntctcttgg gatttctcat tcttaatcga attgattaat aactaaagt 360  
aaactaaggc taaaatcaac tcgccttagtc aagctcgtcc ataaaaatan gcttcgaag 420  
ttcatca 427

<210> 32606  
<211> 462  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32606

tggagaggat gcttcaatgg agganaagac agagggagag aaagagagag aggggagcac 60

gaaattgaag gaagataaaag ggagagaagt tgaacattga gttgtgtctc acaagactct 120  
cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc 180  
ttgagacgct ttcttgaaaa acttccttga gaagcttctt tgagaaaact tccttggaa 240  
gctagagctt agctacacgc acccctctca taactaagct caccccttg agaagcttcc 300  
ttgagaagat tcctaaagaa gctagagctt agctacacac acatttctaa tagctaagct 360  
caccccttg agatgagaag ttagagctt gctacacatc cgctataata gctaagctca 420  
cccccacgac aagatacatg anaaaacaaa aaagtcccta ct 462

<210> 32607  
<211> 466  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32607

ctatagatac taagttctn cacgctntcc tccataccctt gaacttcaaa ctttcgattc 60  
tcactcgatt ctccacccaa tcgcgtcccg taaagccaa tcttcctctt tttcattcct 120  
cttcacttc caccgatcaa aatccagaaa aacttcatca aatggcagag ccatcaaaga 180  
agagaaaggg atcatcctcc ccgctaccgt gctgcccatc gccgtcacgg cccatccgga 240  
gcacccacag cacctattcc tccttcttg tcatctccaa gatcatcaac attgtttca 300  
tccgatgatc aacgtctacg gtatcttct cagtttctt ctagaataat cttagaccct 360  
aagtacctag acgttagagtt cttaatgat gaaacgtttt attgctattt tcgcaaccta 420  
cccttcggtg ggagggcgac gcgagactcg cgggatgcgt gttcca 466

<210> 32608  
<211> 445  
<212> DNA  
<213> Glycine max

<400> 32608

taattccact ttgattccct taattattct ttttagtgca ttccttaatt agtataattt 60  
tacactttcg gtcttctaat caactatata tatagacaat ttgattctt ttgtgacaat 120  
cccaaattat tctcgtaaaa atatttatt ttaatatttta atcaattcta ttagggctat 180  
tcactgcccata ttatacctgt aattaataat tgattattat aattgattgt cataattaaa 240

tgaaaactgaa ttattaacaa aaaaaaataa aatataaaaa tattatataa ttgattctt 300  
taatatataa aaatattata taattgattg tttatatctt aatattattt taagttact 360  
atgttaaac actaatatat atttgtaatt atagcatgtt gaagagtatg tatactata 420  
tatcttaat agagttAAC aaata 445

<210> 32609  
<211> 453  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32609

ntgatttaca cagagggtt cagggacaaa gctntgatt acatattgaa tttcatccaa 60  
attttgaca agtcattgtt acttccatca atattgat tgcattatgc ttaattat 120  
gcatttgctt attctgatca ttgtgtttg cgtgattatt tcttccatgc aggtacatga 180  
ttcccccccc ncgcggagtg aaatgatggg cagcagcacc aactaaggtg attgtatatt 240  
tcctttttt tgtctttatc tttgttagct tgctatataat tttttatattt atatgtctga 300  
gctttaatg tgaaaaat agaaatagaa aggttgcta tcatttttgc aatgccatca 360  
tctacccatcata atgactcata tctaaattgg tccctgttta actaaattaa ttacttattg 420  
ccttagcttgc actggataga agtatgatat gtc 453

<210> 32610  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32610

tctaagccat gtccaaagta agaaagatgc atcatccatg actntattgc cgctgaaagc 60  
ttcatttagag aatattat tttttttgttgcgttgc gaccatgtca aagctagcca 120  
ccaaacacccctc caccttttgc cccgtattcc atcagccaaa ccattcatat gttgtangaa 180  
gtgcgcctccg gtttgcggaa aaagcacccca caagttcgc ccaagacaaa acttgcacc 240  
acatataatt tttctacagt ggaaaaataa atgcctgcg tcttcctcctt caaggttgc 300  
gaaaggccat cgcccatcat ttatcacaat ttggcgtgat tgcgttttgc 360

caatctatcc ctgagtagta gtctccatgc aaaaactgta natttgcttg gcacctttaa 420  
tttccacagt tcaacagaag ctacatcca 449

<210> 32611  
<211> 435  
<212> DNA  
<213> Glycine max

<400> 32611

tgatttgtga gttgacttta gccttagttt cacttggtt attagtcaat tgatccaagg 60  
aaacttccaa agaaaaacgt ccgattgatt ttttttatta ttttattcaa agatatttta 120  
attatttat tattatttt caagatattt tgattatttt attattattt tgctttttt 180  
ttccctcacc gcagtagcgc gtgaacgatt ggttagattt tgtttaaca gtgattaaac 240  
gagaatacaa cacacatgat cggttgaat tcattttatc atttattatg cgagacaacg 300  
gcttatacga tcggtaaag cttgttaata acggaagata agacaaccga acatgaacga 360  
aatgaagatg acagctaaca caataagaaa tgaattgaaa gtctcgatt caaaaactta 420  
cccggttgaag aacga 435

<210> 32612  
<211> 451  
<212> DNA  
<213> Glycine max

<400> 32612

tctctgcatg atgaattgcc aaaatggatg gatccatgct tattgatttc ttttctgtgt 60  
atgtgacagg gggggaaaag gagtgatggg cgaacacctg acggaatacg tccaattaac 120  
tcgagatgtg gccttattacc tatagcacat ggaagtactc tttttacaag aggcgagaca 180  
cacgctctga cccactttat ttgtttcca gtttatgctt ttgatgatat ctgttggtgt 240  
ctatatatgc ttatgcaagt cacattatct cttttctgtg tttgttagtt ctattagaag 300  
ggagatagaa tgcataaaca caaaggagga acaaaaactaa taatgctgac tccttggacc 360  
tttaacacac ttctcattta aagtctccaa ttgtatcaa cttggatata atctagaaac 420  
tagtgattgg aagtcaagtat tctgattact c 451

<210> 32613  
<211> 205  
<212> DNA  
<213> Glycine max

<400> 32613

tgagatgacc gagctgcgt ggagcgac tggacatagc ctgtatctta atctagcttg 60  
atccaatctt catcttattt caagctgcta tccatggact tctatggatg cgagcttctt 120  
ctagaccagg caattcctcg aagtggagac tccgctgtct aaaacttatac cataccttcg 180  
actctgcctc tccctaatga aaacg 205

<210> 32614  
<211> 430  
<212> DNA  
<213> Glycine max

<400> 32614

tttgttgtg gagtgcctt tgatctcaac tgtaccatat ggaataaacat tagtaacaac 60  
aaaaggacca atccacttag acctcaactt accactcatg agtccaagcc tagaattata 120  
caataacatt tttgccaa ccacgaagtc tttttaact atcatgctat catggactt 180  
ctcgtctctc cctgcagaac ttggcattct cgtaggcttc tatgcggatt tcataact 240  
caactcagttg caactttctt tcctcaccag cttgatccat agagaagttg caagtcttca 300  
ctgcccagta agctttgcgc tcaatttcca ctggaagatg acatgcctt ccaaagacaa 360  
cccgataagg agacattcct atgggtgctc tataggcagt ccgatgtgcc caaagagcat 420  
catcaaggct 430

<210> 32615  
<211> 448  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32615

tattacataa gagatccacg aaggagccca aaggcgtgtt tagcacgaat cccgcgctaa 60  
gcgagctatt gccgccatac tcaataagcc cagacgctgt cgtgctcagt gcatgatcac 120  
accgtcatac ctactaaagct cagaagggtg cacttaacgc gaggtcgcataaatttaac 180

tctcctcgcc tataaaagga ataggaagca naggagaaaa atgcaatgag actcatagct 240  
ctctattgaa tacactcaa gcctgaacat ctctaattagg ggaaaccctc cttcttctat 300  
agtcattttc tactttctt actttatcca tccttattct tttctggat tcattattat 360  
taatcgccgc ttgactaccc atgctaatgt attacttagg aaggaatgca tttaaaaatg 420  
ggtattttct agagaactag aaaatgac 448

<210> 32616  
<211> 450  
<212> DNA  
<213> Glycine max  
  
<400> 32616

tcatatggag ccatgccaat ggtagaatga acactattgt tatatgtgaa ctctatcaac 60  
aggagagaac actcccaact cccttttgt tctaatacat atgctctaa aaggtcctcc 120  
gacgactgaa tggccgttc agttcggca tcagtctaag ggtggtaggc tgaacttact 180  
ctaagcttgg tcccaacgct ttgttcaaac tcttccaaaa cctagaggtg aatatagaat 240  
ctctatcaga cactatgcta gatggcacac catgtaatct gacagtctca ctaatgtaca 300  
gggagcgtaa cttctctaag gaaaacctaa tattgatgg gataaagtgt gtagatttgg 360  
tcaatctgtc aacaacaacc caaatagaat caaaacctct gggggccta ggtagtccta 420  
caacaaaatc catggagata ctatcccacc 450

<210> 32617  
<211> 440  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32617

cgtagcaaca aaatgcanaa catttctaaa tcaagctggt ttaaaaggtg aattntgcag 60  
ccatggaaag gaagattaaa gataagcatt ctgaatcata ttggctcaat catcaaacag 120  
agtgcaagag gactctttt agtattatta agtatcatcc cctattgtgt catttcttc 180  
cagacttgct acaacagggg tggtgatgaa agaaatgtta caggttagtg catttcctc 240  
atctctgtac aagttctcct cttgccatt ctactaatca ttaattgtg tagtagcacc 300  
tagaatgaat ttgtgctct aggttaattg ttaagagaag aatttttat atctaactaa 360

tttatatatg gaaattgttt gagcaaaatg aaattctctg aagcttgat caaaacatta 420  
gcaaataaca acggaattct 440

<210> 32618  
<211> 454  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32618

nntgattta aatcttgggg ctacgagaag ggagattgga taaaagactn tgttctctag 60  
acaaggcttt atgatttgag cctatgataa atctacttgt tggattttca taaaatttat 120  
attattttac tctatacataa atttgaaca atttcatgtt gaagcccttg agagatgagg 180  
tcatctgacg cccattgtga catgcaaggc gactacctt tttgcaagt tgtgtctagt 240  
aatgtgttgt tttcttaat tcttggctta ttagttgtc aacttgaaaa attggttaca 300  
ttttattaaa ctagaaagaa aattatttc aaccatata attagaaaa ttatggattt 360  
cagcttcatg ttctaaaggc aaaagcaaaa canagtggct gcaagaaaga cattctgtga 420  
agtatagaaa aagtgttgga aagaaaatct tact 454

<210> 32619  
<211> 448  
<212> DNA  
<213> Glycine max  
<400> 32619

tgcagaagct cttagaagct gtcctgtat ctgtcaccat agcctatgct gtgcctcca 60  
ttatgaacta tattttgtac tatctgtcaa ttctcgatg tatatacaca cacacacaca 120  
catctcagca aacaaaggct gaggatcctt tttgtgtgca tattttcata ctcacacatt 180  
tcaacattat gaacatattt ttaaattata tagttggtc ttaatactat caataaatat 240  
tattataagg tcaacataat aattattata ggacaaataa taatgacgatc gcaaatcca 300  
ttagcagac ctcatctagt ggaataaagc gtttggct aattacttga gtgtttggca 360  
ctagactatg actttggatca ttgattctga atatacttat aattttgata cttgttaatt 420  
attagcatgt atatatgcgt agtataaa 448

<210> 32620  
<211> 461  
<212> DNA  
<213> Glycine max

<400> 32620

tcataaatcc atcacttttta atattcttg tacacaaact tatttgatgt taatttaaaa 60  
attatttgct caaaaaggaa aaattaaaag agaaaaatta caaattccta tataatttaa 120  
ccccaaaata ttctcataat tagtagttat cactcacata tcaacacatg ttcaaattta 180  
cacttacctc aatctcataa caatgctata atctcatgat tcacgtata ttcaatttt 240  
cacttacaca caattttaat tacaatttca tgatctcaat ataacaattt attacgctaa 300  
tatagtaatt ttgtccaaaa tacaacaaa ttatacgaaa atgttctca caacatcagg 360  
aataaacccc ctcaaacaat ttcacataat catatatgaa gaacacaata caatatatat 420  
gccacaataa accccaattt gatcccctaa ggatctctac a 461

<210> 32621  
<211> 353  
<212> DNA  
<213> Glycine max

<400> 32621

tctaattgagt gcctagcgtc agtcatgaaa tcaagtcgcg gcaccgaaag aatcaacaat 60  
tgtcctacag gtgggtgggc tcgcgaaagt gtgtccgtga ccacgttgg tacaccggcc 120  
ttgtactgga tgtgatactc atacccaaat aatttggaga ggttagtaatg ttgcttcggg 180  
tctggataacc tgcatacatca actcccgag gctcttgg tcggtagaa tggtaatga 240  
cctacccaag agatattgcc tccactttct tacagtcgca acgatagcat gtagttctcg 300  
aatatacgtt gaggcataga ggagctgatg gccaagcctt tactgaagta agc 353

<210> 32622  
<211> 454  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32622

tctagccaaa tggacttacc ttgacttaat tccttgata gtcctttga gccttggttc 60

ccttccttg tttgaagct cactacaagc cttaagtcaa aaaccatgat atcaccatat 120  
ccttaaggaa tttggagct ttggaattgt ttggaaata agtgtgtggg ttttgc 180  
acgcataaca tgttgttgg ccatgctca tgatataatt tgagccatac ttgatataca 240  
ttgcataattg gttaaatgtt ggacatgctg aatatgatgt tgttctcat aaggctacag 300  
agcaaaaaaa atatataatata tataaaaaaa atcgaataag acaaacagta aagttgagtg 360  
aataagacaa gaatgatgag actcttgggtt ctactctnta tgttaaatt ttatctctac 420.  
. ttcttgat cttcttatgt tttcttaata tgca 454

<210> 32623  
<211> 429  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32623

tgagatgagg aagtgtgaa gggtaact tcctgctttt attgttgacc acagagtgg 60  
acctggagat atgtcgccgn ggtcaggaga ccttngggac gtcagggtgg gtgctattgc 120  
ccaaaaccaa gcttgaccaa tcccgaccca agccgggcat agtcggtcag tgagaacctg 180  
tctgtaccta acaggcgagc tcctggcagt caacagataa aaggaaaaca agaccacaaa 240  
gcaaggaggc ttgtggtggc tggccagctg tgaattttgt gtaatatgtg gattgtggcc 300  
tctggtaatc gattaccaag ggtggtaat cgattacaag gcttaaaatt gaggacagga 360  
ggctaagatg gtctctggta atcgattacc aagggtgt atcgattacc aggcttgaaa 420  
atgaagtca 429

<210> 32624  
<211> 447  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32624

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gcatgcacac ctccacatag taattgaagc cgaaacataa ggcataaggca acaaatttag 120  
atccacagat tagactatca ccataagaga gtaagagatg aaagttcaat taatgtgatt 180

tgctttgggt ggacagtgaa atgtgactgt agatttggtt tgtgcacgct acggatgttc 240  
accttttaa gctctggtgc agccgcagta aactgttcta aatgtggcta ctgcctcttg 300  
gcctactcaa aaaataaaaat taagtcttaa tctaaccata gtaactaact gtcacccccc 360  
ataggtatag atgaatccac aagtcttaac cttaaattcaa acacancgt agtaaatgtat 420  
tcacatttgt aaggattaaa ttataaaa 447

<210> 32625  
<211> 439  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32625

ctannaattt aattaaaacg ttcagaaaagt gctggtaatc tattaccata tatgtgtaat 60  
tgattacaca gtgcaaattt tgaattcaaa ttttaatagc tggtgtaaat catctttggc 120  
caactggtaat cgattacatc ctctggtaat cgattaccag aaagtaaatac tcttgaataaa 180  
agccttctca cttaatttct tggccaaacc ttttgctact tcaaataatggg attcccttcc 240  
tatttaatat acccttccta agactctaga aactgtcttg atcatccatc ttgaatataatct 300  
ttaatttctt tgtcttgaat aaatcttga gaaacaagtg atcatccatc ggcataatca 360  
aaacattcag cttgatcctt tgtctacaca aaccacaaga caatggagga tatacatgg 420  
gaataagatg aagaacaag 439

<210> 32626  
<211> 239  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32626

tatagccatt ntattccacg ctnttagagc ctgcacatc attttattac accccttatcc 60  
attttagttt gatcactaac aaacttagtg actctgcgga atgcaaagat acacatgttc 120  
tccttgatt ccacgatgct gggacatcaa cgggtagaac ttattaatcc tgagggtctc 180  
cccagacctc aagaggatac tctttaggaa gatggaaacc acaggtgttt attatgctt 239

<210> 32627  
<211> 440  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32627

tggganagtc ctcttgatac tatttataca ttttgactc tatggcatga gatgaagtgc 60  
aaagattgga cctcttgcta gttgttacta atgaatagct taaacccttg tgcttgagtg 120  
aaacagtagc cgtgagactg tggtttaagc tacttcctt aatatttgc ttatgattcc 180  
ttcatctatg atacagctta cattttattc ttctctttga aagctgcata ttttgtgaaa 240  
gacaagtgtat gagtacataa tgcttcattt ttttatcatg caatcagtaa tttttgctgc 300  
atacaccttt gttgatgatc actgcatgtt attgtcactt gaggacaact aagttgttct 360  
cttttgctt gaggacaagc acaattgtaa atttggcgga gttgttagtc gatgaatacg 420  
actaaccttt atgtataaaa 440

<210> 32628  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32628

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tccaccattg agttgttacc acagctgaca ccttgccaat tgcagtaatc tgagttgtt 120  
ccatcaccccc atccagggac tctcagctct tggttgatgg catgtaatat atcttggtcc 180  
cacgctcaga ccaacaagtt cagaacttga aagacaccaa gctaccagta tatacaacaa 240  
caagcataga aattccatca ctgtacagtg tacactgttgc ttctttctc ttctctgctg 300  
aagcgaagtg ttatgttta cactccactc aacagtgttc ttctccaaga gccaaaaat 360  
tggtatcaac actcttaccac agcattaaca acttttgctg cttgttctt tcaccaaaaa 420  
aaagtgc当地 ctttcttca ca 442

<210> 32629  
<211> 474  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32629

gcggcgccg cgcgnttga nngcctcgac tcactctggg cgaattcagc tcgtaccgc 60  
gatccctaga gtcacctgcg gcatgcagct ttatatttt atgctcatgg ttggattca 120  
tactattnca caaaaacttt ttgatataaa taaaaatatc ttcacaaaaa actttattaa 180  
aacaaaaaaaaa ttagaacttc cataacataa tcacatgtaa aatggttata ggttaaatatt 240  
aaatagcctt aaaaatattc ttgtatctta ttttggggtt gagaaaataa atatgattat 300  
ttaaagctcg atcaaggta acttttaatc aaaatttattt tattaaaatt aactcgatag 360  
tatcgacaca tataatacaa aatctttaga gtcaatgact ccataatact aaataacaaa 420  
gagctttttt aatcatctat atattattat gttctaagtc tattttttc actt 474

<210> 32630  
<211> 415  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32630

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ctagagctgc agttgaccg tttgactgaa gtgcgaccta actggagtga cgactgctt 120  
accataactat ttagatataat tgaatttaaa tgaatgataa ttaggactga gaagcatgat 180  
gtcataccaa cttgaccat aactactgat gaactggttt ttgctccatg ataaactatg 240  
attgcataac tgaccctgac tttacatgac tatctctaat actttgttaa atctatgaga 300  
gcatatggct cacgaccatt tactctaact tggggagaaa gtgaaggatg aaagaaacgg 360  
taagatcaga ccacacaata gtgtttaaa aacgagcgag atgacagata ttgcn 415

<210> 32631  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32631

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aaacaagaca aggtttagtt gatgggaccc tgtacgcatt ttgtgacatg tggattgg 120  
atactttgcg gaaggcata atggaagatt ggagggtttt ttattattat ttggaaatt 180  
ggaggttatg tcaatgattc ttttaattt ctaacatagc aagctttt attattattt 240  
tcatgcattt acaatataaa ttgtgttaat ctgcaattaa agataatctt aattattttc 300  
atggatggaa aaacttgaa tttgctctca ttgttttta taaatgatat ggttctttt 360  
agtaaattat ttgaattata aatanaaaa ttgtattctc aatttataaa caag 414

<210> 32632  
<211> 369  
<212> DNA  
<213> Glycine max

<400> 32632  
  
agcttggagc ttttaactt tgcaggcggt caccagacat ttgaacttgc catcgaagat 60  
cgctatggaa tgaatcctga gattacttca ctcgatgccg cgccgctctg atgtacacca 120  
ccacacccatg aaatgacata agattaccgg gagcacaacc tcagctccgg aatagatgtt 180  
tatccgcctg acattgtctt ctaaagtctt cacatctgac cgtaactgct atccacctgt 240  
gacatgttgc tccagataca gggatgata ttgaaatagc aaacggatgc gtggaatcca 300  
ttgcaatgaa tgcttgtcta gagcaactat gtttgcctt acctaaatta gactgtgatg 360  
gccaatctg 369

<210> 32633  
<211> 415  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32633  
  
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tggcacctgg agatatgtcg cgggggtcg gagaccttgg ggacgtcagg tgggtgcta 120  
ttgccccaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcgg tcagtggaa 180  
cctgtatgtt acctaaggcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240  
cacaaagcaa ggaggcttgtt ggtggctggc cagctgtgaa aattgattga tatgtgagat 300  
atggtctctg gtaatcgatt accaagggtg ggtaatcgat tacaaggctt anaaatgaag 360

acagggagct aagatggtct ctggtaatcg attaccaggg gatgtaatcg attac 415

<210> 32634  
<211> 248  
<212> DNA  
<213> Glycine max

<400> 32634

cttggcttgg ttcaacgatc aaatggatgc cccacattat ttccatgaca caaatgcaaa 60  
aaatgatgat ttggaaattt tatgccaaac tggcatgca tgccctatg cgacgccta 120  
agtgtcaa at aattatggcc atgtttctgg ctggattaa tgccggcca aaaagttgta 180  
gacgacggga ttttggttgg taatcaaaag gagaacacat tttatgtcgc ggtttcctt 240  
ccttcttt 248

<210> 32635  
<211> 405  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32635

agtttaagac tntggagttc atttgcggca tctgaaccat gccacctgca cacgcgtgcc 60  
atagctgcgg atccaataacc tttcacctt cttcatgga aacaacaaaa aaaacagagt 120  
gtgttcaaaa gagaaaataa tgtgctttt gaagttctg ttttctcaa aggagattca 180  
tcgcgcana ag tacaaggc acg agctggttt tgcttttgc tcttttagat ctctgtgagt 240  
gaaagaaaagg gaactaaaac tacttctgtg ttgttggac cttcgaga ctattatgag 300  
cgaaacaaac gaccaaaaccg acctcttggc cagcaaaagt tatgtttatt aaattgctct 360  
gttgaataa ataagaatag aatgcgaaat gaaatttatt tttgg 405

<210> 32636  
<211> 375  
<212> DNA  
<213> Glycine max

<400> 32636

agctttgttt attgctaacg ctactaaaag tagctttgg atccaaaaga acgtgagtca 60

tgatatatca ttattttct tccgtctata cccttctctc tggtagagc cacacaagtg 120  
gtggtgttgc gttgtgtgcc gtcataca gaagaggaac tgatattcat gatacagcac 180  
cgcccaatgt caacaatgta caaaaatttg gaaaatgaca tggccgcc catacattgc 240  
atgcaccgtc aatgtgctt cttaccatt aggaagttat acttatacca tatgaccaaa 300  
acaatctacc tctgataaaa atctgccttc tcaaccattt gacaatctt agtatccgta 360  
tcggatgtta ttata 375

<210> 32637  
<211> 406  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32637

agtttgcgtt cacgcaagat tgaattgttag agaagcttta agtgttcgag atcgtgaaga 60  
aatctggta aacagcgaat ttgttgcgtt agtgaagctc ttgttgcgtt tgcttggatg 120  
caagtgggtt ccaatgcgtt ggtgcggctg caatcggtt ttgactcggtt gattcgccct 180  
gcggAACGGT ggcggaggc gcgggtgcgtt tancattcggtt cgaggaagct ctgcggcgcg 240  
ctgcgcggcgtt cgtcgacgtt ttgcgttgcgtt tgccggatgg cctcggtt aagcccggtt 300  
tcgagggcgtt cgagtgcgtt ggcgcggcgtt cggaggaggtt acttaatgtt gcccggatgg 360  
tggccacgtt tctcggttgcgtt cgcgttgcgtt gttcgccggcgtt gagttt 406

<210> 32638  
<211> 404  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32638

tgtttcaat accaatttacc ttataattt gatccacaggc tttaccaggat tggcatcccc 60  
catggtaatg ataaattgtt agcacaatgtt ctatgcaata ctgttctaaa gagaaggaaa 120  
tattagcatg tttaggcctc aagttaactg gttaattcaa catcaagtctt attagatctt 180  
ggaccgacat gttgtgttan caaaaactttt agaatgttt tgagtttacat atatctatga 240  
cgattatcat gccttcaaca catttttttta agtcttctgg atccttacaa tagttgaagg 300

taactgatgg ctatcattcg gatccacttg aggatatact tatttgtgtaaactttcc 360

taatttatatt aagaggcttc acaaatatga aacaaagaac aatc 404

<210> 32639

<211> 272

<212> DNA

<213> Glycine max

<400> 32639

agttcttcc attcttatat atattgaaac gggggacccg accagccaga tgtgatacat 60

acaatgataa tagtgggagg caaatgatg gtgaacctag ggtgaaagtt caaatcgata 120

taacaattat gtccaatgct tatgaaatttgc gccgatgaag gatctgacta ttggaaacc 180

tggtctttaa ttattcaag gggtgtaaag cttagcagaa agtggctgaa atttgattga 240

accaaccaca tgggtcttat gattcacgt gt 272

<210> 32640

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32640

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acgcattgcag ctttgcagtgtatctttat cctatctcgatggccatggtaatccgttc 120

agtaatccga agaaaaacgg gctacaatga taaaaatgaa aaggagatttggattggctgg 180

gtgcaaacat tgaaaatggcatgacttac gggctaacca ggtacaaaaa gacattttcc 240

ctgccattat tgacgatgct tgacgctgca gaaaaatctca ctattgttcg tgatggtttt 300

tggtatatga aatatatgct ctgagatagg aaatacaatc attgcctcgg ctttgctta 360

gagatcttc gctgtatgc ctgccttcac cgcatgatatttttagggtt 409

<210> 32641

<211> 377

<212> DNA

<213> Glycine max

<400> 32641

agctttttgg attcgtaaag tcatacaatt atacgatcta tggccgtagg ttaacaacct 60

ctggatgatc caagtaaaat actcctacta cagaccttat gagccactgc aacgaagcac 120  
acacaggaag acatcttaca gatctaccca tatcagttaga tcacatgatg ctacatctga 180  
tagagaccat atacatcatt gatgggatac aatcttactc aatgccatta tggacgttaa 240  
tgcccttacc atgagtagtc aacacatatg caaaccataa attcaataat aatgatcatc 300  
atcttaaact ctatacacta ttcttaaggcag taataataga tatattaaaa tgatatatta 360  
gtccccatga tccttgc . 377

<210> 32642  
<211> 409  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32642

agcttgcaga gtttatcgag tctttatgag aacaaagcaa ttataaacaa agaagattgt 60  
tgcgttaagta ctacggtcac caaaggcaac cacgagaaat agtttctaga agatcagtcc 120  
tcaaaaggcag cacttacagc tagaactaaa agatatcatg aagaaacaac taacaacaac 180  
aagcacacca actgtcacaa ttttaaaata tattgtttaa agaaatgatt ttttattta 240  
ttgattctt aagataattt taaaataaac aaatttttaa aaaataagtc atagaattta 300  
tatatatata tatataaaa gaagagaaaac tattctagaa ctttatgata aattaagaac 360  
tatacataaca aaaaatatgt tgaactgatt ntgatccata taatatcaa 409

<210> 32643  
<211> 415  
<212> DNA  
<213> Glycine max

<400> 32643

agcttcttat ctcttgctca tcttggtggc gaagtcctt cttcccttggc ttattccctt 60  
gtggatggtg cctcctctct cctcttctcc tttgccttct gctacatctc catggtcgaa 120  
aatcaccatt gaaggacctc attgaagctc aaagatccag cctccataga agccccacaa 180  
gcaagcttcc atcaaagtct atgatctta ttcttcaata cttgtgttga ttattttgat 240  
ataattgaat atatacatga ctatttttt taaaaaaaaag gattatgcat gattttgaat 300

gtgatatgtg aattacttgc ttaaggttct ttcataaaagt gtttcaaaa atttaacgtt 360  
atatatattc tttgaacag tattttggatt ctcatcaaa tccaaattctc cctta 415

<210> 32644  
<211> 396  
<212> DNA  
<213> Glycine max

<400> 32644

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aatatgttcg atttggcatt gagatctggc ctgaatcttt tccttgaaa actattctat 120  
ttggcaaatac ttcccaaaac accattgaac cactgatgga ggctttggag gaagattata 180  
tagatggcaa taagatgaac gaatcacggg cagctattga acgagtatcg gatcttgcac 240  
agagaatcaa tagactagat acattgactt agagattaca tataacacac tcttggattt 300  
ctgaacacag tattagccta taaaccagat cttaccact ctgttagatat gcttacctta 360  
tttctgatac gaggataata caatgactcg actgcg 396

<210> 32645  
<211> 267  
<212> DNA  
<213> Glycine max

<400> 32645

tccacttaac ccattcacta gccttcact tgactttgtt ttaacagcat acacttattt 60  
gaactcttct tcccccaccc ccccctttt tactaaaaac attgtattaa tttgatgcgc 120  
gcggtgatga ttcataaccct taaaattatt catcaaacaa actccccaa agttgggta 180  
aaattgcctt aaaccaatgt gctctcctaa aaccaaagcg tggtaatgg agatgacaat 240  
tgaaggccta aggctcaatt tgacaac 267

<210> 32646  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32646

agttctcaa ggaggtgagc ttagttctta gatgggtgtg tgttagctaag ctctagcttc 60

tcaagggaaat tttctcaaag aagcttctca aggaagttt ctcagaagg cttctcaagg 120  
aagctaccta gtctataaat agaagcatgt gtaacacttg ttgtaactct gatgaatgag 180  
agtcttgtga gacataactc anagttcaac ttctctccct tttttcttc tttcaatttc 240  
gtgctccccct ctctctctt ctctccctct ttctttccct ccattgaagc atcctctcca 300  
agcttcttat ccatggctca tcttgggtgt taagtcctt cttccatggc ttattcccta 360  
gtggatggcg cctcctctca cctcttctcc ttgtcttcc gcttcatt 407

<210> 32647  
<211> 366  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32647

cangggcgtg aagggccttc atacatggtg ctgggtgcac cagaagacat gctatgtgaa 60  
cctatcagca ttataatgcg gcgtaaatgc gaggccgtag atcgcgaaag tacgaccata 120  
gccatgcgca taaaactcata cgtcatggta taaacgaaac actgatggct caatggagag 180  
tgactcacaa tgaatgagag caaaatcaca ggttgatttt gacaggcgga taccgcaaca 240  
ttccatatga taacatgagc agcaaaattt atatactata gaaaccatta tgatatgagg 300  
acatgtaaaa agatacatgc cttgcgttcc tgcgtggaaac aatgagtttag actaagctat 360  
tttccg 366

<210> 32648  
<211> 409  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32648

agtttataga ggaagcttca atggaggaag agaatgagag agagaagcgt ggaaattgaa 60  
ggagattagg gagagaagtt gaactttgaa gtaagtctca aaagttttc attcaccaaa 120  
gttatgacaa gtgttacaca tgttttatt tatagcctag catatggaa acttccttga 180  
gaagcaagga agtagcttc cttggaaagc tagaggaaga aagttcctt gagaagctag 240  
agagggctt tccacacccc tccaatagct aagctcaccc catgccaaaa tacataaaaa 300

tacaatggga agcttcttg agaagcaagg aaggtaactt cttggaaa caaggaagac 360  
nagcttcttg agaagctaga ggggctact cacacncctc caatagcta 409

<210> 32649  
<211> 400  
<212> DNA  
<213> Glycine max

<400> 32649

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ctgcattgcta tgatcgatca aatgacttgg acttatcagc atcctgtcgt tttgacatcc 120  
atgcctacca acgacatgaa cttatacctg acattttttt actgcagaga acgttgtgc 180  
catggaagac ggtaatata tccatcgcca aaactatcgc taacaccaga gactatccta 240  
cagatccttgc agcaaggctc ttaaaaagcc tttaacagga tggctgata taggcgcatt 300  
tggaaactgta cagtggacat ggcgtagaaa ccggctgtat gataacctgct cgagcacata 360  
taagctttc gagaagctga tgctaataag aacaggcttc 400

<210> 32650  
<211> 401  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32650

cccccttat gccttcttct tatccaagac actccttggg gtgaaggta tcctccatg 60  
gcttattctg tacaggatgg ctcccttcc tacctttctt ncttatctt ggcgtcaac 120  
tgcattggctg aaaatcacca ttgaaagacc ttatcaaagc tcaaagatcc agtctccata 180  
gaagttcgc aagccagtt ccatcaagcg ataattactt ctttgttga acaagaaaac 240  
aagcgtaatg actttgttg gctaaataat tatgctatat catctgacaa cttccccgtg 300  
aaagaactgt taatgtggaa catacactt aatgaatagc atgacttata tgactaaaga 360  
tatacacaccc ttgacattta atgcatttgcattt agactacgaa t 401

<210> 32651  
<211> 386  
<212> DNA

<213> Glycine max  
<223> unsure at all n locations  
<400> 32651

agcctgtgga gttatatgaa atgctttca tttgaatcac ttatgaatac agatatctta 60  
gtctctaaaa aggtgtcaaa ggattggtaa gaagctatgg agaatcttag cctctaaaaa 120  
gttaatttct tcacctaaag aattggtaag cttttcattt gaatcaactt tgaatgccga 180  
tgaggaaaac ctacttttc aattttattt aattgcgcctc aattcttattt aattacactt 240  
aattaacttc tgtttatagc ctaccattt ttgtaaaggt ttaatcctct aatgagctt 300  
tttatattac tggaatgaat ctattctgta ctntcaagt actcttcct atgtaaaana 360  
caaaaactt a gtctttgtg ttcaat 386

<210> 32652  
<211> 337  
<212> DNA  
<213> Glycine max  
<400> 32652

gcagctttat actctactta tgcataaaaa gtatcacgta attcttcata tagacgacta 60  
acataattcc caactttgc actttatctc attccataca cttatgaaca caaaaagggg 120  
atctggagga ctatatttgg ctgtatga gggtggcgtg agaacaattc atttggggc 180  
tacgatgcaa aacttaagtt ctacgagagc attcatccat taatcacctt ctctttaact 240  
ttccagctt tattgacatg ccacaattaa caacacacag agtttcttc attcttgatg 300  
ttcttcact ctcccttctt tttatattt ttcttat 337

<210> 32653  
<211> 357  
<212> DNA  
<213> Glycine max  
<400> 32653

agttctatt ctgtgtgtga catctatgct attgatggtg tagttcagcc acgcgacatc 60  
tttggtaata tataatgccc tcgttatatc ataatatcct cacaatcctg aattataaga 120  
tggtttgaga gaatgaatgt attacttttataaagctttaa tgatcaagtc ttagatgtag 180  
taattattga tatctctcca tatccttgct taattattct ctcttcaaatttattgaca 240

tatagttatg ttattgatga aataagagaa ataaaataca gaatttaaa atgagagtat 300

aaagacgtga tagattgaat ataattaagg aaaccaatta ttttcgtaa gagatat 357

<210> 32654

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32654

agcttgtatt attacaccat agctctgcac aaaatgactc taggatgtat atacttgtac 60

tgatttattt gctataatat ataatacata catatttgc ctatcaaaaa aaaatccttg 120

actttcttag gcaagtctta aaagaaagta tcacacgggc taccttgtt taagaaatac 180

ctcaataaga aaaaccacac taagtcttac ctggcaaca gcataaacac caaaaagacc 240

cgtgtccttg taattgggtg tgaaagccat aatgctctca gcaacttcat taatgccaat 300

tcgctgtgct aactccgaac tgtttatagt caaatgcat tcagtttagta tcagggagag 360

aactttcct ttntcaggaa gggcggtca agtcacatac cccatgtgtt ttcca 415

<210> 32655

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32655

agcttgtcaa atgtctctca atcaagttct tatgaaaata aagaaatcg aatggcgtga 60

taaaaatatt gagattctgt tgaaagtatg gatagaagag gtgaatgctg gaaataaacc 120

tcacaaccac ttactaagc ttgggtggc aaatattaca gaaaagttca ataagataac 180

aaatttgaca tatgagtata aacaattcan aaataggtga gattctttaa aaaaaaggaa 240

tgacaattat gggctaatta agcttattgn gaaggacact agtctggct gagacggaga 300

caagaaaacc attgctccta gtgatgaatg gtggaaagcc aaaattcaag tgtgtactat 360

tcaactaaaa taaagtttagt tctagttgca tgcattgaa ctctttcag t 411

<210> 32656

<211> 381

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32656

agctttctag cctaaacaat ggtcgtgag ttgaggctaa gaagttccaa tttctggat 60  
tttcaatgaa ctcgctaagc gagccggcc cactaagcga gttcatccat tnttggtat 120  
cttttgggtt ttttgcataa cacactaagc atgcctatc ctactaagcg agtgtatcat 180  
atttttttt aattttttt aatttttg caattttgtt tgaacttgct aagccactgc actacggctt 240  
agcaaggcctt tgaatgtctg tatttaattt ctacgttcgc atgaactcgc taagccgacc 300  
atctgcgctt agcgagtata ctttagctgag tctgataactc agaggcttt tgcatcttg 360  
gtgcggctaa gcgagccatg c 381

<210> 32657  
<211> 405  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32657

agcttttaa ngataaaaaa taaaaacaaa atattttggt atggactaaa tgaaaaaaga 60  
attataggaa caaatgaat aaaacgctaa atcgcatgaa acatatattt aaatctaaaa 120  
ataataattt ttagcaacat ttaataaaaaa aattaattgt atacattaat tacatgtaat 180  
aaatttatta ttttatttat aaattgcatt aattaatatt caaatgcttt aaattcaaat 240  
ataatcgtat attcaattat acaatctatt tatttttaat tatcttttat gggatataat 300  
tgatcattaa attaatttagt tcaattatac aatttcaaaa aatctaatta tttctggta 360  
aaatatttat tgtaacata attaacatat atatcgggta taatt 405

<210> 32658  
<211> 411  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32658

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aatcaaatac ttagttctga ataataatga gaatgaagag aggaatttga tgatagagat 120  
gaaagaatga atacaaaactt gcaactgcgc ataggaccaa tgactagtgg ttgtgactcc 180  
ttgaagctgt gcgatgctct tttctgtcca ctccaacgta acactttcaa accctagatt 240  
ctattatatt tatttgctta taaaagaaaa agacacttct ttaagatgg tttcaaaac 300  
cgtcttataa tggtagttc taaggcagtt tttgcaaaac cgtcttagaa taattgtatt 360  
tatttacaaa aatgtcaccg tgtttcttc tagaatgatt ctctatcaac c 411

<210> 32659  
<211> 411  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32659

agctttcgg atntggtctt cgccagtgaa aggatcgatg tgggttcgaa aagaggcaat 60  
ttgatcatcc tactangacg actgagaaaa ctggggcaaa tgaaaaggtt gagaaagagg 120  
gagaaaccca tgctgtgact gccattccta tacgaccaag tttcccacca aacccaacaa 180  
tgtcattact cagtcaataa caaacccct ccttacccac cacccagtt tccacaaagg 240  
tcatccctaa atcaaccaca aagcctgtct accgcacttn caatgacgaa gaccacctt 300  
agcacaaacc aaaaaaacac caacaaaaag gaattntgca gcanaaagcc tggtagggtt 360  
cacccanatt ccgctgtcat atgctaaact tgatcccata tncactcaat a 411

<210> 32660  
<211> 393  
<212> DNA  
<213> Glycine max

<400> 32660

tatgcgaggt gctggaatcc aagatcgggc catgctcatt gttgtctaat acaaagcatg 60  
atgatggag gcacaacaac aaatgttgta tatgagataa gaagctacaa ttgcgtcctt 120  
gtaatcacag cttcctaag cccaatgaac aaacaaacaa cggaaattaa caaatggaga 180  
aaaggtttaa gaataacaat gtccaaagcag atgaatggac ttattggaaa ataacatgg 240  
atgaaagaat gaacatatac tagggaaatg aggtccatac catcaacttc atatcacatg 300  
aacagaagag agggaccgtg gaaatttcag cctcaaacga caaagacagg aatggatct 360

accatattta catttcttaa tggattggag ata

393

<210> 32661  
<211> 419  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32661

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attgcacatcgaa agcgcatact cacttgacga ttgagagtat tgaaggcctt tacgacgttag 120  
gctttgaaga ctataccacc gctgcataat ccttgactaa agagacgagt cttctacttc 180  
atgtacttct tcaccaacat ttcttagcaca cttcttcacc caagagccat catgcacatt 240  
tatataagcc atggatgcta tgactgaagc gcctgtatag aatgatctct tgattggaga 300  
ctancgttca cactcacgac ggatgctcga gcgcgtgaagg ataatggtca caagatgtatg 360  
atggagcaac ggagcattcg atgcgatatg cttatgcatt tgacatatac catggatgg 419

<210> 32662  
<211> 370  
<212> DNA  
<213> Glycine max

<400> 32662

agctttgaat cgattacaca catactataa tcgattacca gaagagattt tcagaaaataa 60  
ttctcaatttgcacatcttttcattttggtt ctgtaatggc tatcaaaggc ctatatatat 120  
gtgacttgag acacgaattt gctaagagtt tttaagaaaaaaa aaaaggcct atcctcttaa 180  
aaagcaaaat ccgtttatcc tcttacaaat tccttgccca aaacacttgt gattcaataa 240  
ggaatttattt gagtgctcaa attgctcaat ctatctctt caagagagat ttcttcttct 300  
tttcttctttt attctgaaca gggattaaga gaccgagggt ctcttgggtt gaaagaattc 360  
taaacacaaaa 370

<210> 32663  
<211> 420  
<212> DNA  
<213> Glycine max

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<223>      unsure at all n locations
<400>      32663

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gaggttttat tatgagttga tgtgttttt gcaagtgcgg ttagaataag aataagaatt 120
ggcctttgt gcaacagtta gatttgatt gatggaaagct gagtttgggg ggaagaatca 180
gtacttgtat ggacctgtgg tgtctgaaat gaagaaagct gttgttggga atgggaagag 240
gagttggaa tgggatctga atgattggag atgggatggt gatctttca ctgctcaacc 300
actcaattca gtgccatcag attgtacggg ttgccagttt tttccacctc atcctgaaat 360
tcctgcaaaa natgctaatac catctaccca ccaattgtct tcttctgtat tcatcttacg 420
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```
<210>      32664
<211>      408
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      32664

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tgtgctcaa tatgtgggc aattctggtt tgctttcttg cttggatggg ttgaattggg 120
ggtttgtatg agatggccct aggccataaa tgtatTTTGA agcaatgggg catgccacat 180
tgtccccgtt ctcttgctat tGATGCTAA acgcgcGCC accaagtgtt cggtaaatg 240
cctcaatggc attagcgcgt gattcttgta aggaaacaac ctatggaca atttggtttgc 300
cacatgtttt atatTTTTG ggacatgtat tcagttcgt aagggttaga gtaattgtcc 360
cacacatatac ctatgcctat gaaccaaagt ttctatgcaa gagaacac 408
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```
<210>      32665
<211>      418
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      32665

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gcacaacagt ttccacatc cacaatcgc gcataaaaccc accatcccct gctgccacc 120
tccaaactqag ctcacgtacg cccacgtacg ccatatcctc gtttctctca acaccgggtc 180
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cccatcaatc ctccccaaacttccaaaca tccaagtaat tcaacattca aacaacacaa 240  
actatcacag ccaagaaaaac agggcaaagg cagaaaactc tgcccaaaac accgaccaaa 300  
atcacagctt ttctcaactta aagaccccag taacaattcc ttcgttccgg ttcattaacc 360  
gttggatcga ctcgaacatt ntactggaag tctctagtac ataaggctac attctgac 418

<210> 32666  
<211> 410  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32666

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atatggaaaa aggattctac accaacaacc acccttggtc agaggataa aatatgatta 120  
ttggaagcaa caaatgatata tcactttga atccattcat attgacctat gggtgatgg 180  
ggaaaaatgga aagtgcattc catacgatga tcagttaaat gaaattccta caagttggtg 240  
gatggagaag caaaaactta gattcttgct cgactccaag gctcacaatg tgatgctatg 300  
tgctctatca gaagaggagt acaccaacgt acatggctta taaagtgcac acaaatastat 360  
gacactctag ttgttacgta tgaacgaacc tcacaggtaa agaggagtaa 410

<210> 32667  
<211> 339  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32667

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caaaacaaga atggaccgct gaatgtgcat agaatgaatt gaaagattca aatttgaaaa 120  
cttaccagct gaagaacaaa gaacaacgaa gaacaaaaga agaatggta agaacatcca 180  
tggaatcgat cacgaaaatg tctcgaaagc gttacggaag cacctcggct tgaattgtct 240  
ccttctttct tcttctcctc actaattca agtggaaagct tattgcacaa caatgttgg 300  
ctcttaaact cagccccctc tccctatnta tagtggaaa 339

<210> 32668  
<211> 115  
<212> DNA  
<213> Glycine max

<400> 32668

agcttgtata atattcttta ttactttaat ccaagaaagt tagtgaataa ctcctctgga 60  
agtagattta gatcacgcaa caagaatgaa ggttcctggc cacaaatctc ttgct 115

<210> 32669  
<211> 409  
<212> DNA  
<213> Glycine max

<400> 32669

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aagaacagtt gactaatgag aatgaaaggt gagattgaga agaagaagaa gggagttacca 120  
attccaatgt agtggccaat ttgagcgtcg acccatttat cagcgtcgtc atctccacag 180  
tacaagttgc acaccttgaa tgaatggag tgagaataag aacggcgaaa ggaataagcg 240  
aattaaatgg gaaaaagcta caacgaactg cagcgtacgg gtgagcgaag atgttgatga 300  
gagccattct ggcgaaatca tagagggcgt tgtgtgtaga ttgacttcct caccgccaat 360  
aatcctttct ctcttcaca cttcaacctc aactatggat tccacacac 409

<210> 32670  
<211> 280  
<212> DNA  
<213> Glycine max

<400> 32670

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attgcaacag tgctctagaa cgtactggta acgccttcc tacgatgtca tagcgacgcc 120  
caccattact atcacgcatt ctgcacagaa cgagaatgcg accttcgcatt ggatcacacg 180  
gcgatatcat cagacgagaa catgcgcctt agagccaacc atcggaccaa tgcattcgatc 240  
tttagcgaac ttttctgac ttatagaacc catataacca 280

<210> 32671  
<211> 407

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32671

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agaagattct cccttntca atgacaactc agccttggtt catgttatta atgcatgcat 120  
ttcacccggta tggctggatc aagcacacga ttccttgaa gagatgcgtc tagctggagt 180  
tagaactggt tcacatgttat actcctctct ttgaaagca tattgccgag caaatagagc 240  
tgcagatgtc acatcacttc tgagagatgc taagatagct ggcattccagg ttgactcaag 300  
ctcttatgag gcaatgattc aatccagggt gctccagcaa gacacacagg gagcactcca 360  
actatttaaa gagagggaaag aggctacaat tccaaaagtc actcaac 407

<210> 32672  
<211> 467  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32672

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cccggtganct ttgaccctca gacacccggc acaccaccgc cgcgagccca agagaccgca 120  
gctgaacctg taaaaacccc acacccaaacc gggaaaacccg cgacacatgc ccggaacaga 180  
ccaaaggcacc cccagaagac agaccaggac ccggcaccgg cccgcccacg ccccacccgca 240  
ccccctccc accgcggccc ccggcggacac ccaccaccaa cccactgcgg ccacaccacc 300  
gccaacgcca acccgcgaa atacccaca ccccccggacc tccccccac gacaacccgg 360  
gaggacccac aacgccccca gcaccacacc caccatccca cccaccacac acccccaaca 420  
ccccgcaccg caccccccac cccaccacca ccccgcccc acacacg 467

<210> 32673  
<211> 405  
<212> DNA  
<213> Glycine max

<400> 32673

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cactatggc aggaaagagt gtgatgagtt aaaagatatac aacatgacca tggtaagc 120  
gttagagtgg gaaacaaaaa gggcctgaaa ggaagaatgg agcaggaaca agtttgaag 180  
ggctatgtgg ggcagcagta atgagctcaa gcttagaaag gtcgagaggg acaaatcaag 240  
gatggaaaac atggtgtagt aggataagtt aaagtcttgt aagaggcga agataattt 300  
gatggagtag ttgagaaaaa tagaagagaa tatgttgata atcattgatc aatataagga 360  
gaaggtaacc tggctactag tcataggcat atgctggaag atgaa 405

<210> 32674  
<211> 409  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32674

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tgtgtgatct ggcttcagaa ccagagtgc cttgcagtaa tgctgacccg tgctacagac 120  
catatgctca catgcacaat ttgggaggat ccatggatca tgatacgtag agaaactgtt 180  
atgtataactt ctggtagca tccagactca aaagatttggatgtt ggtatgctcct attaacctca 240  
agctgcataa gcactctctg cccaaactgaa acttgggttt ctcaatgaag catgcgtctg 300  
aggatgacgg tgactatgct gtcttgctcg tgacaaagca ctcttaatat gagctgcctc 360  
tgatacggac ccgtggaacg cacttctctn gtgtgaccca gattacccg 409

<210> 32675  
<211> 419  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32675

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aacaaaaaaaaa aaaccattt aaaacaaaact atgatccata aaatttacaa ttgtttctt 120  
atgcataaaaa atagtactcg cacaggtaa atgtaccata cactctagta acaatgaact 180  
aaaaggttca tagctttac aaaccataaa gttctctca caattcataa gagataaaag 240  
tgatcaaaaat atttttct tacaaagttc acaggccat ttagcttc ctaatataa 300

tcagtagaa aaggtacact acgattacag taaaatctac ctgcgtcatg gtaaanaaat 360  
agtgacgttg aagctttgc gcattgtgga tcgactgtgg ccctcatggt ttaccacaa 419

<210> 32676  
<211> 413  
<212> DNA  
<213> Glycine max

<400> 32676

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actccaccaa gattccctgg gtgaggtggg acatagtctg cctacctaag agtaaagggt 120  
ggtaaggat caaagatttg attaaattca atgaggcttt gcttgctaaa tgggggtggg 180  
agttggaaaa taatcagaat cagttgtggg ccagaattctt attgtctaga tatgggtgg 240  
ggagggattt gatttctgat aggaactgca gtttagactc tccttggtgg aaagacctca 300  
aggttatctt caagcagcag cagagcaaca caatttgcaa tcacctgaag tgaaagctgc 360  
gatcgggaga taaaattagt tcttggagg ataagtggct acatcataat ctg 413

<210> 32677  
<211> 412  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32677

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atcacgatca tcgtctccct ttccatcatt ggggtacca cctgngccgc cagatccctc 120  
cacctttgg gcgtgttctt tgaaagatcc gtccccctt ttgcaaattgt tctgttagttg 180  
catcctatcc ggaaccatat caaaattgta ctaatactgc ctaacaaagg caaccattan 240  
gtccttccaa gaatggactc gggaaagattc caagtttagt taccaggtaa cagctacccc 300  
agtaagactt tcttggagg aatgtatcag caattcctca tctttgcgt attccccat 360  
cttctgacaa tacatctta gatggttttt gggacaagta gtccccctgt ac 412

<210> 32678  
<211> 414  
<212> DNA

<213> Glycine max  
<400> 32678

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aatgagattg gactgttgtt tatcatttta atgaacagat ttcctattct gagtattctc 120  
tttgccaaga caccagctgg attttgtctt ttcatctaac atgttagcaat tccccaccct 180  
cttttcttct tccaggaaaa aaatgatcaa tttttgtac taagaaaaat gtgcaaatca 240  
ttaatgagtt tcatacgatc aggtttcttt tgtgattatt tataggagga tttggctcct 300  
tacaagtgcg gagtgttaatt gaagatgctc tcgaaattgt gataaaacag atgcacatgt 360  
aaaatacatt ataaaattat taataattgt aactctcgat tttcaaatca ttga 414

<210> 32679  
<211> 538  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32679

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gcgcgggtg ancctagaca tcgaanacaa acganaancn nacccggaac cgagcaacc 120  
ctacagcaga cacgcacgct tgcaagctt aagaaacacg gccctaaggg cccaaaccgcc 180  
cactgagggaa aaccccatac cttagagcccc caccctcaac ggagcggcg accactaccg 240  
gaaaacacccg ccgccaacccg ccacacacgc catccaccca aagaccccg aagcactcaa 300  
acaacgaccc aatagacccc ccatacagcc cgaaactgca acaacacaca accccacaac 360  
cacatgccac gaggaacaca cacaacaaca ccacctaact tacagcgcca ccacaccata 420  
caccgcggca agaaagacga aacacgacgg ctcaaaccga aaaccgcacc gacacgggac 480  
acaacaaga ccacacaacg ccccagacgc acaacaccac gaccagcacc cccccccc 538

<210> 32680  
<211> 399  
<212> DNA  
<213> Glycine max

<400> 32680

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tattatgcgc cttaatcgga cctccgagtg aaaagttatg accattgaa taactcaaga 120  
gcttccattg ttcaatttcg agcgtctcga tatcttatgt gcctgaatct gacctccgtg 180  
tgaaaagtta tgaccatttg aatttctcga gagcttccgt tggtaattt cgagcgtctc 240  
gatatcttat gcgcctgaat cgacccctcg agtggaaatgatgaccatt tgaataactc 300  
aagagcttcc attgttcaat tacgagcgtc tcaatatatt atgtgcctga atcggacctc 360  
cgagtgtaaa gctatgacca tttgaattgc tcaagagct 399

<210> 32681  
<211> 231  
<212> DNA  
<213> Glycine max

<400> 32681  
  
tgagaaaaaca cgctctatat tcatacaca ctccaagttat gcctccggat gattatttcc 60  
tttaaatgca ggaacgctga gcttaatacc atcgatctgt gattgactag gaacaccatc 120  
atctccctct tggctcctg tcttctatac tatgatatctt attctccatt cgacacatcg 180  
cttcatggag cgcatcatat ggctgtccc ttaacctctc catatgatgc c 231

<210> 32682  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32682  
  
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gcaacatgac gaatctggaa agaaagagcg cgctgtttac tacataagta agaagttcac 180  
gacctgtgaa atgaactact ctttgctcga aagaacgtgt tggctttag tatgggcattc 240  
ccatcgcccta aggcagtaca tgctgagcca tactacccatg ttgatatcca agatggaccc 300  
ggtaagtac atctttgaaa agcttagctc cacggtggca agtcctgcta tccgagtttg 360  
acatagtcta ngtcacccaa aaggcgat 388

<210> 32683

<211> 402  
<212> DNA  
<213> Glycine max

<400> 32683

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gagttaatct tgaagcaagg ctttgttgc tgaagcaacc ttgtattat cttgaagcaa 120  
tgcttatccct ttgaagcaac cttgttgat tcttcttgg catcatcaaa atcatgtatt 180  
catacattca gactttaaaa tattttaaaa atcaacaaac tgattagaag ttttgattta 240  
cacaaactac actcatttca taaaatggc ggtgctgcta acctaataaa agaaaaaaaa 300  
taaaggtag attctaaact gttttcttc ttccggaaaca ctacttctag ttgcaacctt 360  
gagatcttg attctgctac ttgttttaa tattatttga ca 402

<210> 32684  
<211> 417  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32684

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tatgacatcc actccacaag gttgaagta gaggagacct tcaatcctat tacgcaacgt 120  
ggcggacaaa agtgggcagc taacttaaac ggtcattatt gtcaatgcag aaggattct 180  
gcacttcact atccatgttc acatattatt gcagttgtg gttacgttag cctgaactac 240  
taccaatata tagatgtgt ttatacaaatt gagcacatct tanatgctta ctccgcacaa 300  
tggtggcctc ttgggaatga agcgactatc tctccttcta atgacgcattg gacacttac 360  
cctgacccaa ctacaattcg tacgaaaggt cggccaaaaat caacaaggat aaggaat 417

<210> 32685  
<211> 410  
<212> DNA  
<213> Glycine max

<400> 32685

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caatcatgaa ttgacaaagt ccttagttgg acatccatac gttggatgtat tgactaaggaa 120

tgaaaaaaaata attattgttg atatgacaaa gtcaatgatg aaaccaagaa acattctgct 180  
aatgttaaag gaacacaatg ccaataatta tacaacaatc aaacaaatat ataatgtaag 240  
aagtgcatac cggttcttcata tttagaggaag tgatattgaa atgcaacatc taatgaagct 300  
tcttgaatga gatcaatata tttattggca tagattaaag gatgaagatg ttgtacgtga 360  
tatctttgg tgtcaccttg atgcagtgaa gttatgcaat gcatgttaatt 410

<210> 32686  
<211> 400  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32686

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ggatgccccca cattatttcc atgacacana tgcaaaaatg atgatttggaa aactntatgc 120  
aaaactggtc atgcatgcac ctatgcggac actcaagtgt caaatctta tggcatgtg 180  
atgctagggc tcaagattcg tttcctctat tttaatcaac ccaatgttnt caaaaatatgt 240  
tctttatca atttgcacat tcatccgagt ccatttcggg cgtccggnga aatttcacag 300  
cattcacccct tcaggtgttag acacattctc caaaaattgg ttatgatcaa tgaactctt 360  
cacagaacag ttggaaatcg tttctttca caagcatgct 400

<210> 32687  
<211> 413  
<212> DNA  
<213> Glycine max

<400> 32687

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gaccaccgct ctttcttccc acaatgcttc tctttatatc tgcctgagtg ggtttatacg 120  
ctaaaccata cttcccacga tttccttgg catttatcaa gctagttatg cccgcgttgt 180  
ctttgcctaa acccattccg ggttcgtaac cggtcccaa cataactcgg gccatcatta 240  
ttgctgcatac ggacaggcaa ggctgcccag agaaggagtc cacggaggaa atgctgacca 300  
cctcaaaaga ctggaaagcg gattctaacf attcttctgc ggcttctaca taaggcatag 360

aggatggca gtcaccaag atgtttcct cgcctgacac gatgacccaa tgc 413

<210> 32688  
<211> 371  
<212> DNA  
<213> Glycine max

<400> 32688

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agacatacgctaatggctga ttgttaaacga tatcgtggcg accatgagct accaccaaca 120  
ggcaacaagt catgcaccgt tggggcttac aaaaggctga agcctagggtt gccaatgtgg 180  
gctctgacta catcttgaac taaacctaacc taaggccctt ctagctgagt aacccatatc 240  
atatcttgg acagccaacc ttactcgat tggccattttaaacgaa ctagacactc 300  
taaagtggaa gcagagtggt gtcagtaagt actcctgcat tcggccatg atacaactca 360  
caaccatggac 371

<210> 32689  
<211> 234  
<212> DNA  
<213> Glycine max

<400> 32689

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aatatatcga gacgctcgta atggaaatcc taatccgtga gatgattgac cgacgatcac 120  
tttttactca gatgtgtgat cgagcaccgt attatgtcca gacgctccat tctgcatacg 180  
gaagctgtga gcaaagtcaa acaacaatca ctgtcactc agatgtctga ttga 234

<210> 32690  
<211> 408  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 32690

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tcaaggcaga ccaaaagaaa gcacaacagt gttatgcaga aagcctgaag gttaggaccat 120  
atcctccac cagggagctt gccaaggcattt accccacagt ggctgaaggc actcaagtca 180

tgagcatgga cgaagggtct caaatcttag ccctgatcgt ctaccaagca agcctggag 240  
atgaattcga catagatcca cgagacgata cctctaata gggcctgaaa cccatcgaag 300  
agcttgcaac ttggacctaa acccgggcaa taaatgcggc tcaagaagga cctcactagt 360  
catgagaacc gacacatcac taatgtgcta cacagaaatg cgattta 408

<210> 32691  
<211> 410  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32691

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gtaatcattt cttccatgc ctgaaaagaa tagacattt ttttaggtgc tattaagtga 120  
ttcattgtct cctctgaaga accttctcaa ctgctgcact gtgttgtcaa agttagccac 180  
ttgctcattt aatgatgtat gagccccctg caaacaatta cataagaaaa tcagaggagg 240  
tgtggctcac gaattattgt gcctcacaga acgatatgtt catttaatat gtgcttaatt 300  
tctcanaata ctcatgaata tgaatttgca tacaaggta cttcctgttt cttctctaatt 360  
gcctgctgct ccagatgcat agctagctcc tcttaatagt ctcaaacc 410

<210> 32692  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32692

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cagtgtaac agtgcaacta catgtacgat ctgataatca taatccatgt ctgctatacg 120  
ctagcaaatg gaggtggttc ttatggagtg atctcttgca tctgaaaaag tacttaagat 180  
tgttggctt gatttcatca ttagaaatac tccctctggt cttttctata agaaacaagt 240  
tttagtatat ttacactaaa acttggttct tataaaaaag acaggagata atagctcata 300  
aggcacagat aagaaaagct tgtattgctc agagatctaa cttttttttt tatcacctt 360  
tctcttaaaa aaattatgtg ctgacagcat gtttgctctg gg 402

<210> 32693  
<211> 386  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32693  
  
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tttgttatta tattattttt ttatctctttt ttgatttcca acgtggttac ggcacgaccg 180  
aacggtcgaa atttattttt accaaagttt acggatcata caattcaaac gttcggcgga 240  
aatttattttt atttttaagt taagcgagaa atgacttgag taaaatggct taagcacgtc 300  
aacagggggt ataaaaaagta catgaaatga gaataaaaaat acacgaaaca caatgtggac 360  
caccacgggt acatataatg aatcga 386  
  
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<213> Glycine max  
  
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ctaagatctc tgtacttgat tgacgcccata tcccatgcct tgaaaactgc atggagtacc 180  
cttccgtcgc ggtcaactaga aacttggct atgaaacgacg agatgtacca actgacggcc 240  
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<211> 340  
<212> DNA  
<213> Glycine max  
  
<400> 32695  
  
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gactttgtta atgctattcc aagagatcaa agcacgcattc aaagcttaac cattaagcaa 180  
aatgaacaag gtcatttggc agaagctcaa atcattgatc catgaaacta tgacagctta 240  
tccacgaact agaaaactata cctcgaagct taaccaatta ccagaagtaa caagacttaa 300  
ccgtcaagag tagaagccaa gcaacagtcc aatgcttaac 340

<210> 32696  
<211> 412  
<212> DNA  
<213> Glycine max

<400> 32696

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aaattcaata tttttggga ttaaactgtt agcacttac tttcgattgc aatagtttc 180  
ttataaaacta cctttaaattc tagttttt atatatattt tacatttact aatgttgctg 240  
tttaaatatg aaagattcat ccatgattct gtaggtttt agggttgtt gttagatcca 300  
aaaacaaagc caaaatggc tttcacaaaa gatttctaac cccaaattcc cccaggctag 360  
caacctgctc gcctgggcta aagatcttac tttagcccta agcaagcaac tc 412

<210> 32697  
<211> 415  
<212> DNA  
<213> Glycine max

<400> 32697

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gatgcaatcc taccccgcat gggcatttgg tagagaagac tccaaatgat ttgcgttaga 180  
gctactaaag aaggccctag gatctcatga accttaggtt agattctta gcccattgggt 240  
caagggttgg tccactattc tttgtaaatc tttagaatagg ttttccttc ttttgggcct 300  
tgtatTTTgg tcattcttagt agtataagggt tctagccttg tatttcaggc cattctgagt 360  
agtctttgtta gtacggactc tctttttgc gtattttcat gtattctgg aatga 415

<210> 32698

DRAFT

<211> 370  
<212> DNA  
<213> Glycine max  
  
<400> 32698  
  
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tggccatcat ttctgccccca aatcgcgaaa ggagagcatt ttcgggtcg tgaagcgcgt 180  
gtctacgagt gggacttcga aatttcatgt ttgggtgaac ttcttctcc tttgattttc 240  
gtgggtatgg ggttttggga gacatgatgg gtagtttgtagttctctg cttcatgata 300  
gttatttgtg aagactcttg ttgaaagctt gtgaaatttgc ccatgtttgg atgagttaaa 360  
cataccatt 370  
  
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<212> DNA  
<213> Glycine max  
  
<400> 32699  
  
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tcacagccaa gatggctggc gtcaaccctc aagttgctgt caccatcccc aagcggtgta 180  
acctgcctaa tcgcccgtt ggttacaagt gtggacgtaa gtgcgattaa ttaataatta 240  
ccccctcttt atatatacaa aggagagtta ctcacgtgac actacttga taaagatgct 300  
ataaaaaaaaaa gactattcaa ttatcaaat tgaaagaaat atacacatat gtatatat 360  
aaatatatat atatatatat gactcttct atgataactc ttaagcttaa cta 413  
  
<210> 32700  
<211> 382  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32700  
  
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cgatcttcgc attgctgatc ttcaagatca tattcacaaa tgtaagcaat gtaactcaag 180  
catttctgag tactataccc gtctaaagat tatgtggaaa gaactagaat tgcatacatg 240  
catgttgctg agtatatgtg ctagccctg atcttnggg ctgactgtca cactcgacag 300  
agaacgtgaa gatgactgtg tgattcattc tttgtgtggc ctcaatgatg tctatgcacc 360  
tgacacgctt atggaaccta tg 382

<210> 32701  
<211> 389  
<212> DNA  
<213> Glycine max  
  
<400> 32701

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acctagtaaa gctttgcat ccaacataca atggcgtatg cgcatctgtt tgaagagcat 120  
cgtatatatc tgcacatgacat tcccgacagc cctcttgccc aagatcacgt atcatgtctt 180  
ccatgagatc ttcgcttgc agatcaacccg gatgagggtgg acatgttgct gtatgaccaa 240  
ccaactcacc atgccatatac cactttgtgt acgtcgggct aaagccatca catatcagat 300  
gcatctaat gtcacatccaaac gaatgacgccc tcccggtaca catttaacac aagggcagaa 360  
gaagttgcca tctgtggttt ctgaatgtta 389

<210> 32702  
<211> 404  
<212> DNA  
<213> Glycine max  
  
<400> 32702

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tttgcttttc ctatcttagct tgcacatgcaca aagtcagaat ctgaaaagcc aatttagattt 120  
aaggaggcac ctttgggata acacatgtgg catccctaac ttaatgactg ttttaatagt 180  
aataaaattaa atagcagaaaa ccatggaaat ttttttttgc actgttattt atttcacgat 240  
aattaatttc agaaggaaaa ttatcactat agagtcctga gtggccagtt cacaactcta 300  
ttcggattca tttctttctg atcactcata acctccaaac tatttttctt tttctaaaaaa 360  
aaataccagc catcattta tgtcatcacg tgagaaataa taag 404

<210> 32703  
<211> 412  
<212> DNA  
<213> Glycine max

<400> 32703

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tcatgagact ccaaggaata agatcatctt tcggcatttc ttcaaaaaac tgctgcgtct 180  
cagcaatctc tccagacttg gttaacaatt caaggcac agtgccaaca taaagatccc 240  
tatcataaca cgctttcaaa gcacatccat gaacactttt cccaacctca aaattgttcg 300  
gtctaaaccc cataaccctc atctggcaga caagtagcaa cgaatctca tggcagtaat 360  
tctcagcata gcaagccatc atcccagtcc aagataccat gcccttacaa ca 412

<210> 32704  
<211> 404  
<212> DNA  
<213> Glycine max

<400> 32704

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taggaaatag taagtttgc aatgccatgc taaatttaag agcttctgtt agtgttatgc 180  
ctctgtctat ttttaattct ctagtcttag gtcccttcca gtcaactgat gtggtaattc 240  
atttagctaa tagaagtgtt gcctaccctg ttggtttcat agaagatgtc ttacttagag 300  
ttggtaact gattctccct gttgattctt atattttgaa tatggaagat ggattctctc 360  
aaggatcagt tccccatcatt ctaggcagac cctctatgaa aact 404

<210> 32705  
<211> 392  
<212> DNA  
<213> Glycine max

<400> 32705

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agttagatct tagttacact cacctctcta atagctaagg tcacccctt gagatgagaa 180  
gcttagagctt atctacacac cccctataat agctgagatg acggcgcatg ccaaaataca 240  
tgaaaataca aaaaaagtcc ctactacaaa gactactcaa aatgcctaa aatacaaggc 300  
taaaacccta tattactaga atgaccaaaa tacaagccc aaacgaagga agaacctatt 360  
ctaatatcca caaagaagag tggatccaaac ct 392

<210> 32706  
<211> 326  
<212> DNA  
<213> Glycine max

<400> 32706  
  
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actattcgat tctcactcat taatatttag ttacatttct cgctagcaac ttaacgtaat 120  
gttggtaacc tgtttaacaa cttgtggac ctttctattc gcaaaagatt cttccagct 180  
atgttcttg tctatctatt gaattgtat ggacagacta gtataattat caaatcattt 240  
aaataacgat gtttttttag atcattatag tcagagacaa gtaaagaagc gaatcaaatc 300  
tatctggaa ctcaagatgt gatgac 326

<210> 32707  
<211> 379  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32707  
  
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tctgaagatc atgtgcctga acaaccctac tgaaggcagc tgaacaaaga tattctgtta 120  
cataatgcct tccagccaag actgtatcta gcacaatggg cagctccttg tttcttcaa 180  
atccagtcct gtatgtgcaa taatggatga gagcaaatta tactcaaata caatgcacgt 240  
ctattnaaaa tacctaaaga gccagagtga agagccaaaa ttcatttcc acaataaata 300  
aatactgagt caaaatcactg atgcaattag ttaaaggcaa cacatccaaat agttgacggc 360

tcaacaagta aaagccaac

379

<210> 32708  
<211> 389  
<212> DNA  
<213> Glycine max

<400> 32708

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taaatagttt aaaaggcat gaacagtcct catattacgt attgaataaa cacttgagct 180  
tattttacca gtggatgcca gaagctcaat gaagtaaaga agagagaaaag attaacgtat 240  
tactgttatta cagttagaat atcaaagtaa actttaaaca ggttagagaaa caaggcgaaa 300  
gccttataat catttgacga acatgataca ttgttattat ataaacaatt gttcttataat 360  
aaacaattac ttcacactat ataacatat 389

<210> 32709  
<211> 397  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32709

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agcatttagga tcgcaacgca attccaagaa ttctaaaccgt tggaaattgt gatatgtatgt 120  
ctgggctgag ataaatatcc atcgcatcgt aacctttcc tttctccgag aaacgcagag 180  
ttgtcttggt aaaactacaa tcccggtttc gtaaccgtt agattatcgt gaaattctta 240  
tattttggc gtgatccat cacgcacacc tncaccattg ggatttgac aacagtgtct 300  
atggagggag aaatatgcat cacacgaagc agtataagaat ggaggcttca atcgtttctc 360  
tatctctcta atgtttggga actctatcag agcaatc 397

<210> 32710  
<211> 415  
<212> DNA  
<213> Glycine max

<400> 32710

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acaaccctca ctctatggc taactgtta aattgagttt ggtccaaact cgcattctag 180  
atggatcatcg agcctatctt agatcttta acaggctacc cgccatgtta tcagcgcacc 240  
ataccaaaaa gtgctgctgg gcatgaggag atgtatttg aaaaacctcg gtcccacatt 300  
gattaaagat aacgtcaaga tagattatat aattgaggtt caaccctcaa gttgaagtat 360  
gtatgtcatg tactaagttt cttataaata aagtcaacct gaggccaagt gattc 415

<210> 32711  
<211> 404  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32711

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agaaatatac taataactat gttatccttgcgtgtatgt tgatgacatg ttgatcgcag 180  
gatctagttt ggcagaaattt aacaagtttga agcagcagttt ggcaaaaaaaaaa tttgaaatgt 240  
aggatcttgg tccaactaaa caaatccttgcgtgtatgt tgatgacatg ttgatcgcag 300  
gaattttana gctgtctcag gagaaatata tacacaagttt gcttgacagg ttttaccttgcgt 360  
aagattctaa gaccaggaat accctttgg gatctcattt gaag 404

<210> 32712  
<211> 414  
<212> DNA  
<213> Glycine max

<400> 32712

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ccattaagtc tatcatatgc tgacaatagc cgagaagccc atgaatctt tcggggggcgg 180  
agtaggtgtc tgccatcgcc ttggccttgg ctaacaatcg gggaaagttct tgactcccg 240

tcaacgtaag agcaaaccga tccatccaca tggttgcctc ttgggtgtaaa gagtcgatca 300  
cccttcctct agcctctttt tccgcata cttgcgcata ctcatccgcg attctatgct 360  
cgtggccgt ggctagacct aactttctt ggtacttggc gatgatagct aaca 414

<210> 32713  
<211> 398  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32713

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gaacgaaatt gaaggaagaa aaagggagag aagttgaact ttgagttgtg tctcacaaga 120  
ctctcattca tcaaagttaac aaaaagtgtt acacatgctt ctatttatag actaggatc 180  
ttccttgaga agctttctta agaaaacttc cttgagaagc ttcttgaga aaacttcctt 240  
gagaagctag agcttagcta cacacaccca tctaaaaact aagctcacct cttgacaaa 300  
atacatgaaa atacacaaaaa aagtcctac tacaaagact actcanaatg cttgaaata 360  
caaggctaaccctataact aatagaatgg ccaaatac 398

<210> 32714  
<211> 408  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32714

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gtccatcaag gctcccattt cagaccaaattt cgacaacctt tgtagctgt tttagggcat 120  
aactaaaaact gtgagtcattt ttagggcttgccttctctt gtttgaaggc aactctattc 180  
tctcccttgg aaggcacggt tctctgttca acggtaacaa aaaaaatccc ttttttgcctt 240  
tcattttgtt tgaccatattt tcagatttctt ctggcaattt tttaaatccc atatatttc 300  
cctacatcag aatgaanaat gggttcaaaa ccctgttagtc attcaaagaa tgacacagtt 360  
ggttgctgct ctgctccctt gcaccacttc tctctgaatg atgactta 408

<210> 32715

<211> 400  
<212> DNA  
<213> Glycine max

<400> 32715

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gagtctcagg atggccccat catactctct caggtaaact tttgaggtct ttcatttcat 240  
agcatttaat ttaatcttc attgcttctt cttcataccca ctaatggcta tgacttatga 300  
gctcttcact cttagatctag tttaaatttt aatgatgcat tcatgattcg ccatgtgtt 360  
gctgctctag attgagaatg aatatacggc acaaagtaag 400

<210> 32716  
<211> 406  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32716

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ttcaatttcg tgctcccccc tctctccttc tctctttctt tcttttcctc cattgaagca 180  
tcctctccaa gcttcttatac caaggctcat ctgggtggtg aagctccttc ttccattgct 240  
tattccctag tggatggcgc ctccctcac ctcttgcct ttgtcttcgg ctgcatttc 300  
atggtgaaaa atcaccatta aaggacctca ttgaagctca nagatccagc ctctatagaa 360  
tncccacaaag caagctctca tcactaatga cactgtcaac tctgat 406

<210> 32717  
<211> 408  
<212> DNA  
<213> Glycine max

<400> 32717

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aaatccaaact ctttcactca attaaaaggc tatactgcta caagacaaaa ctagcatcca 120

aacgtgagtt cggccaagaa aatgcataactgacacaa aaactcacac aaaatattac 180  
ataaaagtgg ttatcaaca ggcacgaacc acacgagcaa taacacaagg gtgagcttat 240  
aaaaacaaac atactaaaac aacaatacaa cttaacaatt caagcctaac cacataactaa 300  
aacaacaata caacttaaca attaaagcct aaccacatac catcgatat agaacataac 360  
atgcagaagt catgtataaa acataaatct tagaactaca taatagag 408

<210> 32718  
<211> 402  
<212> DNA  
<213> Glycine max  
  
<400> 32718

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attcagtcaa gctccattt cataccacat agacaacctc acttaggtgc cttgacgcat 120  
aactaaaact gtgagtcatg taaaggcttgc tttctctct gttcgaaggc aactctattc 180  
tctcccttgg aaggcaccgt tctctgttca acggcacac ataaaatacc tttctgcca 240  
tcattttgct agaccatatt tcacatttct ctggccattt tctaaattct atatattctc 300  
ccgtacatca caatgaacaa tggcctcata accctttact gattcagaga atgacacagc 360  
tgcgtgctgc tctgcctttt tgccaccattt ctctctgaat ga 402

<210> 32719  
<211> 69  
<212> DNA  
<213> Glycine max  
  
<400> 32719

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gactactac 69

<210> 32720  
<211> 109  
<212> DNA  
<213> Glycine max  
  
<400> 32720

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tgtttgtcat cgcataaaac tcagcaactc accacggttt aaattctac

109

<210> 32721  
<211> 101  
<212> DNA  
<213> Glycine max

<400> 32721

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<210> 32722  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32722

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caattttctt cttttaaaa cacaagcga gttgtgtgt gtttgatcta tagtctccta 120  
tccaacgttc agtcggata ataccgatga cgcataattc agaattctac cttcgcatt 180  
gagtcgaact gtatactata tcttagacga atgcttatta ctctgacggt tagctgtcat 240  
tggaagcttt acttttaat cttaatttac aattcacaca tttattagct aacatagaaa 300  
atatgagatc tcaatacatg catgttatta cttggaaact ctcaaattca aataattcca 360  
aacttccaat aaaggataac ggtctgacaa catctttaaa taaatatttt aaaagtgcct 420  
agccttagac atggttacgt cgacctacgt taagttcc 458

<210> 32723  
<211> 310  
<212> DNA  
<213> Glycine max

<400> 32723

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ttatgaacaa gaaaacaaag aaattgagca agatgatcaa aacaagcttc tgtcttattc 120  
attgagcaaa aggaacttat atacagattt agaatagatc caaaaactaa tacaaaagca 180

DRAFT FEB 1996

gttacaaagt ttgctacaaa tctgttagag ttcaaatga atttggcggg aaatgatagc 240  
ttgattaaga tgagattctg cttcaactcg cgccggcacc gtcattgccg cctgtcggtg 300  
tgccctgcact  
310

<210> 32724  
<211> 296  
<212> DNA  
<213> Glycine max  
  
<400> 32724

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cactttaaa gatagaaaat atgctccaaa atcggtccca tttcaactct ttagtgc 120  
ttcacaactc actaaatctc ttttccatc tttaggactg gacttagaat ggaattatgg 180  
aatgaatcc ttaacagagg ctcaacaat ttgagagat gctggcaaga gcaagaaaag 240  
tcttgcatgt cagttgttt tcttttgc acttccgatg ttactctat tcttgc 296

<210> 32725  
<211> 290  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32725

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atgatttgtt tgcacatcgca taaaactcag taactcacca cggttaaat tctactgaga 180  
agcgatctac aacgagataa aatcaaatga agcttattat gaccgcgagt atttatgtnc 240  
caagaaacca ttaaccactg aatttcatct aactaatact taattattga 290

<210> 32726  
<211> 455  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32726

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ESTIMATE OF SEQUENCES

cacccggcgc atctctagag tctacctgtt tgcatgcaag cttatcctct cgttagagcta 120  
aatccagagg agaaatgcct aaagagaact ccagatctt cttcccatta tggtcatttg 180  
atacattcaa gatctcaacg gaagccaaac aattgttaca caaaattcta ctgttaagtc 240  
aaaacaagaa tgccttagaa catattacag gacaagatat agcccacaaa cataaccagc 300  
tatcaatgcg aggccaatat aatagcacat tcnccttgg gcaaaatgca taaaccaacg 360  
ctacaaccct agccaaatacc tacgatggcc taatccatga gaataccctt agtcacaaac 420  
atcgccctt tggcagaca cactcctcaa cttgc 455

<210> 32727  
<211> 245  
<212> DNA  
<213> Glycine max

<400> 32727

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caacggaagc tctcgagaaa ttccaatggt cattacctt aactcggagg tctgatttac 120  
gcbcataata tatcaagacg ctcgcaactg aacaacggaa gctctctaga aatccaaatg 180  
gtcataacct ttcaactccga ggttccgatt ccgtgcatga tatatccaca cgctccaaat 240  
tgaac 245

<210> 32728  
<211> 479  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32728

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gnnnatata tattgataca taattttgtt ttcttgnacg aancgatttg ggcgagattt 120  
tgttgatatg aattgtgaat ttccaaatct gcacttatgc anaatttttgc 180  
gtgcagcaga atcttgcaca agtgcagaaa aatgcttgc tttgggttgc tttggaaaga 240  
gcagtgcgaa ttagttctgg atgttcgcta gtagatccca acggtaaaaa tgtatgctt 300  
tgtactacag acttccagta aaaatttggta gtcgatccaa cggtaacga attggaccaa 360  
agaatttgcata ctgtggctt tatgtgagaa aagctgcgt tctgggttgc tttggacca 420

gaagtttctg ccttcgctct gtttgcttg gctgcgatag cttgtgctga tcgaatgcg 479

<210> 32729  
<211> 117  
<212> DNA  
<213> Glycine max

<400> 32729

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tattcatcaa agttacaaca agtgttacac atgttttat ttatagacta cgtacct 117

<210> 32730  
<211> 277  
<212> DNA  
<213> Glycine max

<400> 32730

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gaattgccat tccttggatt atagggttga accaagctca tgcttttaca aaaaaggttc 120  
atcaagtcaa gttgaaatat ggaagtaacc gtcttgcaaa attggggcaa aagatgaatc 180  
gagtcacatc actgcttcgt ctactgccaa acatatttag gattattgat gtccttgtta 240  
cttccagttt caccttgac aagatgtcat ggaccat 277

<210> 32731  
<211> 256  
<212> DNA  
<213> Glycine max

<400> 32731

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ctggtaaaac taactttcca aatgtttgcc ttgcgcaggaa atggcccccga ggaagcttgc 120  
ctcaaagagg tccaggaagg acaaaggcagc cgaaggaact agttccgctc cggagtatga 180  
tagtcaccgc tttaagagtg ctgtacacca gcagcgcttc gaggccatca agggatggtc 240  
gtttcttcgg gagcga 256

<210> 32732  
<211> 369

<212> DNA  
<213> Glycine max

<400> 32732

agcttgttga agaagttcc aaacaaaaaa gggagaataa gtagaagtta aagcacacga 60  
catcatttga atgggagcct aaagtatgaa ggaagcatca atttaggggg agttttttat 120  
tcaagttaa atttctgcc taaaaacattt tattatgtac tcaaaaacaca ttttctttat 180  
atgaataaaa tgagatgttt tttgttattt gtcacgctc tatctcaaag tcttatgtg 240  
cattattatt tggttatcat atatactctc tgcataat aagcctaact aatctttat 300  
tgtgaagtct tacaaggata ctttcaactt ttaaatctgt atgtgtctga catcatcaa 360  
aatgaagag 369

<210> 32733  
<211> 144  
<212> DNA  
<213> Glycine max

<400> 32733

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tcctacaagt ttccctgcatt tttactcaca caaagtggct caaagactct tcaagacgta 120  
tttaaaacaa aaaacttgtg tgta 144

<210> 32734  
<211> 257  
<212> DNA  
<213> Glycine max

<400> 32734

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tcggttttaa aggccctccga ctgagtacaa aatgacttgt agcaatttgg taagtaatta 120  
aaaactcctc tgcataatgtcca attttaaaat cctatagata tctaataatga attccatgt 180  
catttcaaga tgtgcccagt accatgtact cacatatgaa agctataaga ttcactatct 240  
gaacttgcaa tggacta 257

<210> 32735  
<211> 284

<212> DNA  
<213> Glycine max

<400> 32735

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agacttgtga ccaaaggta ctcacaatag gaaggcatac attatattga aacttttgat 120  
cctgttgctc atctataggc aatatgcattt atactatcc ttgttgctca tcatgaaatg 180  
atgcggatc aaatagacgt aaaaagcact ttcccttaatg gacttatcaa gaagtttatg 240  
tggAACACAC ccctgggtgt gagaggacta tctaccctca tcatt 284

<210> 32736  
<211> 188  
<212> DNA  
<213> Glycine max

<400> 32736

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caaaataaaaa gcatacaacc attttcaca aaaaagatat aagcggttca ttgccatgtc 120  
attcaaaaaac aagttaaact atttcaaata ccttagaata aacaaaccca ctatatttta 180  
attaaact 188

<210> 32737  
<211> 216  
<212> DNA  
<213> Glycine max

<400> 32737

gcatgcaagt ttctacattt aatgcgcgac tcttcggta ttacggact caatccgaca 60  
tccccactaaa aagttattgc agcttgaatc tgctcaagag cttcgtatcc cattccagc 120  
gtctcgatat attaccggac tcaatccgac atcacagtaa aaagtcattt tgttcgaat 180  
tcgctcagag ctccggcatt ccattttccac catctc 216

<210> 32738  
<211> 310  
<212> DNA  
<213> Glycine max

<400> 32738

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gtgccactgt acacgaccaa tcttgcttag gacatggcaa tatggcccga agacgatccc 120  
aactcccaac ccccggtggac gaaacactct ccatatgtga ccacaacctc tacactattc 180  
ccaagcctct tccccctggat tactacaaac atccacaact atttctgact actctctccc 240  
acccaacaca cacaccattt tctgccacag caaaaatccta ctgactattt gacaccaact 300  
ttttcttccc 310

<210> 32739  
<211> 465  
<212> DNA  
<213> Glycine max  
  
<400> 32739

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tccccccgcg ggaacctata cattatatcc gcgagcttgc gagcttgcag gcgacggctc 120  
ggggtaaga tggctgacaa cgctacctct gcaacacatg gctacggaat ggagaccggg 180  
aaatggtcaa tagagacgcc actattgtga gaagaatagt gaagcacgac ttcagtgcc 240  
gatgaagaca tggatgctca cccagtatgc aagacacaat gattgcgcgc cagatgccga 300  
taaagatgtt cgccatactg aggtccgaac gctgaagtcc tttcttcaca caatgcagag 360  
gactcaacccg atgaatagga tcacgcctta gaggagacta ctgcactact gtcaccagaa 420  
actgatcagg tcatcttact gacctgttaag aagttccatt tgacc 465

<210> 32740  
<211> 470  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32740

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tggctgtgtt tctcattttg ttccccctaa ctctaacaca tggaaacttat ggcgacctct 120  
agcctctact tcatattcaa actgaaactg acgagaacct ttccatgaat ttggggagtg 180  
actcatctgt cgcttgctga atgattgtga gtgcaactat acgcaagtgg ggtgctttac 240

tcatcatgaa ctgggctcca aaatgcacaa taagtgtcct gaaagaatct attgagttcc 300  
ttggcacatc aatgttaccat tggagtgttg aagcccttat gttcatcacg aataacttggc 360  
acattatgac atcattatttc gcgaatagat ttatggcgtagcgatgca tctatatgct 420  
tcttctggat ccgacagttc attgtatcca tctattggcc attgcttgcn 470

<210> 32741  
<211> 321  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32741

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aaacaggca aaggcagaaa actctaccca aaacaccaac caaatcacag ctttcacac 120  
acaaataccg cagaaacatt tccttcgctc cggttcatta acccggttgcgat cgacttcaaa 180  
attttactgg aagtctatacg tgcataagcc tacatggta ccgttggat ctactagcac 240  
acattcagaa ctcattctgc actactctt tcacagccaa acacacacaa ngcattttct 300  
gcacaaaagc aaaatcctac t 321

<210> 32742  
<211> 381  
<212> DNA  
<213> Glycine max

<400> 32742

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ccctagctct gcaacaagtc ctagggaaat agacccggag atggacaaga aaatccgcag 120  
tattgtgagt agcattctga aagatgttc tggctgtat gctgagaaat atgttccaaac 180  
atcttccacc ccaagtgttt ccgtgcctga tgctgagaaa gatgttccaa catcctccgc 240  
tccaaatgct gaagcccttc cttcacccag tgaagaggaa tcaacagaag aagaggatca 300  
agcctcagag gagactcctg caccacgggc accagaaact gctccaggtg acctcattga 360  
cctgcaagaa gtcgaatctg a 381

<210> 32743  
<211> 344

**Q**  
**Q**  
**Q**  
**Q**  
**Q**  
**Q**  
**Q**  
**Q**

<212> DNA  
<213> Glycine max  
  
<400> 32743  
  
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gaagcatgtg taacacttgt tgtaactttg atgaatgaga gtcttgtag acacaactca 120  
aagtcaact tctctccctt tttcttcttt caatttcgtg ctccccctct ttctttctct 180  
ccctctttct ttccctccat tgaagcatcc tctccaagct ttttatccaa ggctcatctt 240  
agtggcgaag ctccctcttc catggcttat tccctagtag atggccctt ctctcacctc 300  
ttctcccttg tcttccgctg catctccatg gagtaaaatc acca 344  
  
<210> 32744  
<211> 218  
<212> DNA  
<213> Glycine max  
  
<400> 32744  
  
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gggactgatc acccatgtgt gtgtaaagtg aagattttta acattggaaa atggttgaa 120  
tccttaaaac tggatagaag agggctagaa tactgtatgt ctggacacag agtgtaagga 180  
tttaagttt aatatgttgt aatcgaaatg caattcat 218  
  
<210> 32745  
<211> 155  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32745  
  
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tccttagcaat tccagatcac ttcaaatcag cgacgaaaat cgcctccgtg aagaaaatcc 120  
aagccaaacc gcttccgtaa cgttccgtg ggtga 155  
  
<210> 32746  
<211> 358  
<212> DNA  
<213> Glycine max

<400> 32746

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tcttctccTT cttggacaaa gtaggcagg ctgggggcaa ataaatttc ttcccatcaa 120  
accttggatg caactgtgat cttataccca tattaactag atcttgaccg gtattcaagc 180  
catccttcgt cttgccttga atgttaagga gcgttccaaT cacactgtca cAAACATTT 240  
tctccacatg cataacatta ataccatgtc taaccgtcag atcaacacag tacggaagat 300  
caaagaaaaat ggacctttc tttcatatgc aactctgact tttattctt tttgggt 358

<210> 32747  
<211> 283  
<212> DNA  
<213> Glycine max

<400> 32747

agctttacga atcccgatcc aaccggca tagtcgtga gtgagaacct gtgatgtgcc 60  
taaacaggcg agtcctggc agtcaacaga atatatgaac aaagaccaca aagcaaggag 120  
gcttgtgtgg tggctggcca gctgtgaact ttgagtgtta tatggatata gggctttgg 180  
aattgattac caacggtggg taatcgatta ccacgcttaa aagtgaagac atgaagctaa 240  
gatggcctct ggtaattgat aaccaaaggt gtaatcgatt acc 283

<210> 32748  
<211> 372  
<212> DNA  
<213> Glycine max

<400> 32748

ataaaaggga tgccccacat tatttcatg acacaaatgc aaaaatgatg atttggaaat	60
tttatgccaa actggtcatg catgcaccta tgccgacgct caagtgtcaa attttatgg	120
tcatgtgatg ctagggctca cgattcattt cctctatTTT aaatcaaccc aatgtttcca	180
aaacatggtc ttttatcaat ttgtgcattc ctccaagtcc ctttcggcg tctggggaaa	240
ttttcacagc attcaccctt caggtgtaga cacgttcttc tcttcaaaat cgggtatgat	300
caatgaacctt ttttcaaaa aaagttgaaa tcattttttt caaagcatgt cggttttagc	360
tagaaaactta tt	372

<210> 32749  
<211> 462  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32749

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tgctnanctt cgcgaggna tgccacgttg tgagacnctc tttaacctt tgtgtggta 120  
actacagagc ctggcgttt tacatttact caccatcata gggggataat gtggaatatg 180  
caataactccc atccctgaat attacccat tgcattgaac gttcgcagtt cctctccttc 240  
gttccatccc taactgcccc ctcataatgg agaataatta tttcctacac aaacacgtaa 300  
gggggattga tcaaaaattat cagcgcacat gaccatagag aaaacggaag cacagactaa 360  
gaccaatcta cccattctga gggcttgaac acggtccaac tatctattga ccacaaccca 420  
caaccttata caatatgccatgccccttacg cgtgctacgg cc 462

<210> 32750  
<211> 475  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32750

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acggcgacaa caatgagagg tttatactac atggccctt atcatgtgaa tgccctatga 180  
aatatgcggc ggaaatggtg atcctcaatc aggtcaattg tgactaacat gccgcttaat 240  
acgttcgcac ccgcagcatg catcaaaggat gatcccactt tcagaaaaatg cgtataacaag 300  
catgatgctc acaaattgaca tgcaaggact ccgctacaag tgctgttaacc ctaacttcac 360  
ccaatggcca ggattacgcc gacggaaagg aacaattctc ttaagttta tcgtgcacac 420  
cgacgcctaa aagagctcta gagaccctta tgaccggaa caagatcagg cgacg 475

<210> 32751  
<211> 309  
<212> DNA

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<213> Glycine max  
<400> 32751  
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cttacgcact tctctcttc caatccgctc tgaaaaattt cctccgtgaa aaaactccaa 120  
gccgatgcgc ttccctaacg tttcccgag tgactccgccc aacgtttcc acccttcttc 180  
caccgcctc attcattcct caacggctca ccacctcaaa ccaaccttcc ccactattct 240  
atgtacccgt ggtggtccac atctggtccc tgcatcctat cccccctcca tttaccttt 300  
atccccctc 309

<210> 32752  
<211> 213  
<212> DNA  
<213> Glycine max  
<400> 32752  
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tccccaaattt tctgcttagta tactggaaa gctatacatt aattaaacta aaccaaacca 120  
cccacacaca ttatataattt gtttgtAACG agaataaata ctgacaagga caaagtaaaa 180  
caattcgaat ttatcataca gccatggcta ttc 213

<210> 32753  
<211> 342  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32753  
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tggaggaatc ttctggaggg cccaaatggg cctcgctgct atttacaccc cctgtttact 120  
aaatgcagcg ccctttcta ttctttgtta attcttttc cgtaacgcta cgaaacttta 180  
cgaatttcgt aacgataacct attttgcttc cgaaagctca cgaatcccta ccgattatgc 240  
attctactct cttttacctc tcgaagaaga tacggaaact tcacgattgc ccannaacac 300  
ctctttcga tttcccgac attacggaat ttcatgaatc ac 342

□ □ □ □ □

<210> 32754  
<211> 288  
<212> DNA  
<213> Glycine max

<400> 32754

agtttgtaact ctttcatctg atggagtgc taccattaa cttgccacac actatctacc 60  
tcaacattat gtgcatacaca aactctatgg atagccttga agacatctat tatgctgctc 120  
tactcaacag aatcttctag agtaaaggag tttatcaagt cttctgttga tttttggacg 180  
atggatgata gagatatggt ggacaataac attggtcatt tggtctacta ttcttatctt 240  
ctatattgat ccgccaatct tctattatct agtggtgcat ccagtcat 288

<210> 32755  
<211> 238  
<212> DNA  
<213> Glycine max

<400> 32755

ttggcgataa gtaccttgc aacgacatgg tccatacatac tcaccgacac atgtaaagcc 60  
ttgttgttc ctctccctc aacgggaatt tcttcttctg gaaacgcgt ataatgtttg 120  
gtgggtatat gattaacgt gccttcaaa cccttcactg agatatcatg tgctacatgg 180  
gcatcgtaa ggaccttat cacagcgcac gatgaggctc ggaagttatg agcagttc 238

<210> 32756  
<211> 329  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32756

agtcacaaa gagaaccatc ttgatatgag ggactctgga agtccttta caacgctatg 60  
cttttgaagc tttgagatta acctaagct aacatgacca agcttcttac gtcaaaccac 120  
ataatgtct ttgactgaga gtacgcataa aacttttggaa ctagacagat caccaagtct 180  
aatcttatac agatttcctt gtctcttagc ctagaaaaagt gaagaagtct ctttttttc 240  
aatgatacac atatcctngc taaagggaca ttgtatccac tatcacataa tttacttatg 300  
ctaaccaaat tatgcttcaa ccctttaac 329

<210> 32757  
<211> 181  
<212> DNA  
<213> Glycine max

<400> 32757

gcgggaattc ttcaatacc tatttataca ttctgagagg ttctgtgtca tgtggccata 60  
tcgacatcct tcatttattca tagcaatggg ccacttttc cttgaaatgc gaagcatcct 120  
ggtgcttatg gttgacttac ttgacggatt ttctaaatt ttgataaaat aatatggctg 180  
c 181

<210> 32758  
<211> 339  
<212> DNA  
<213> Glycine max

<400> 32758

agcttaaga aaaagatggc ctcatttaat ggcttatttc cagaaggaa ttctatcaat 60  
agacctccaa tcattaatgg agagggttac cacaactgga aaaccgaaat gcaaatttt 120  
attgaggcaa tagatctaaa tatctggaa gccatagaaa tagggccta tataccacc 180  
acagtagaaa gagttcaat agatggtagt tcatcaagt aaagcataac catagaaaaa 240  
tctagagata gatggtctga agaggataga aaatgagtac aacacaacct aaaagccaaa 300  
aacataataa catctgccct atgaatggat gagtatttc 339

<210> 32759  
<211> 368  
<212> DNA  
<213> Glycine max

<400> 32759

tgttgaaata caaagagttt actctgctaa gcaaacaaca aagggtctat gttctcgtt 60  
tttaccgccc aatacttttgc acaaaatttc accacttgcg tccttagcg tccaatactt 120  
ttggtctgga tgcaactgacg tatagaaggg atcatatcat tccttgtat tgggtgccat 180  
cctcttctt tgattcctcg tccagttcaa gatgtgtact cgaatgcattt cgtgtttca 240  
ttccctttac atcaaccatt ttgaactttt tttagaagttc attcacatac ttggtttcat 300

gaactgaaat gccttatct atctgcttca ttctcgccata acgcacaatt tacgtcccta 360

tcatactg 368

<210> 32760

<211> 333

<212> DNA

<213> Glycine max

<400> 32760

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attatcttga aatctaattgc caactttgtta agtctaaaca tgtttacgaa atattataat 120

atctcatttt gcctattctc atgataaaaaa aagatgttta caaaataact tacatgtttg 180

gaaaacagtct acatcttagaa aaacaaaatt tcttaaaaaaa taagctgctt ttttaatct 240

aaaaattcgt aacttatgtc tatttgcata taatcttct ttctttatctt aaaccgcttt 300

catactcttc tgccgcgtca aagttgatta tct 333

<210> 32761

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32761

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aagttacttc atgaggatat agaagtttat tttgtataat attagaggga tccagcttgc 120

acacgaatcc tgtacaaata accccattgg atatttgctt ttttaagaa gatttctaca 180

ttaaaaaaaaaa acctatgaac aatatttattt taacagaaaag atacatggtg ttattaacaa 240

aaccaaaaaat ccctaacacc atggcaatt cttactttt ttataaaatc cctttttaaa 300

agagtaaatt atgaaaaaat gggttacaaa aaaatatttt tttaccttag aatttttttg 360

gttgaccaaa gggttgaata aattaccatt aaacccagga attcatggaa cccttacaac 420

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<210> 32762

<211> 289

<212> DNA

<213> Glycine max

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taaaatctgg catgaacatc tacattctta gtataacaaa tggtcatgcg agtaacacga 180  
aaaacattct ttctcaacca gaacgtcacg ctgctaattt gaggttggcc ttaatcctac 240  
atatgtccct agccaactaa atgatctata cccaacgatg gctcaatat 289

<210> 32763  
<211> 346  
<212> DNA  
<213> Glycine max

<400> 32763  
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tgcgcacatcg ccaaattcatg ggataattga taaaataaa aagtttcaa aactaataac 120  
acatagcaac acattataat tgattaacac aagagagtaa tccgataaaa tagtggaaac 180  
acgaaatggc aaggtaaaac atgtatttc aaaaagagat agaataatca actacagatc 240  
aacatataa catactatga cattaaataa aattaattga cataaagagc atacataata 300  
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<210> 32764  
<211> 273  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32764  
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tttactaagt accacccct gccttnttt gggattctt tcttcgtaca gttacgaaaa 180  
cttacgaatc tcgtaacgat accttgtttc ct当地ataat gttaccgaac cctgcggatt 240  
acataaccat cctctttttt gacttacgaa tgt 273

<210> 32765

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<211> 330  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32765  
  
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gcagcaacct aaagcaattg agcagcctga agcttatgct tgaaatattt acaatagacc 180  
ttctcaacct cagcagcaaa atcaaccaca gaagagcaat tatgaccttt ccagcaacag 240  
atacaacccc tggatggagg aatcacccta accacagatg gtccagccct cagcaacaac 300  
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<210> 32766  
<211> 88  
<212> DNA  
<213> Glycine max  
  
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gctacgccat gataattccc ttacacct 88  
  
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<211> 178  
<212> DNA  
<213> Glycine max  
  
<400> 32767  
  
agcttgcttg cggggcttgt atggaggctg gatcttgag cttcaatgag gtccttcaat 60  
ggtgattta caccatggag atgcagcgg a agacaaacga aaagaggtga gaggaggcgc 120  
catccactac ggaataagcc atgaaagaag gagttcacg accaaaatga gccttgaa 178  
  
<210> 32768  
<211> 470  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32768

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tgcccaacaa ctgggacaac gtctctataa tgaccacga tcattgctcc tacttattgg 180  
catcgcatg atcatttat ctaagattgc tactgttgtt cccatcatga agagctagtc 240  
ctccctagtc cgaacattat tagattactt ttcaattgaa ctgcggcaga tcctagttgc 300  
tcacttcttt tttcctatt catacttgat ggtgtgaaaa cttcaccact cttctgata 360  
accaacacat ttgacctcc ataatacctc acaactatgc tttccgacat ggaactgctc 420  
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<210> 32769  
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<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32769

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agtagccata ttctcaatta actccattgc ttcttcatga gtcttagtt taattttct 180  
tcctacagaa gcatctacta attgctcaa ttgtggcctt aacccatcaa tgaagatgtt 240  
caactgtata cgctcacaag aatcatgtgt ggnggtcttc ctagcaagc tatgaaaccg 300  
ttctaaaact tcactcacag attcattaga aaattgatgg aatgaa 346

<210> 32770  
<211> 242  
<212> DNA  
<213> Glycine max  
  
<400> 32770

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gataactaca actcgaaaa gagcttccac cgcttggtc tgtgaatcac gaaagcactt 120  
gacccatgac ttcttattt agaaaaatgg gaacaacttg acacatatta atatccatta 180  
tggctatcaa attccactta gcacttaaca taataaccta ccattatcac cgtattatat 240  
ta 242

DRAFT

<210> 32771  
<211> 288  
<212> DNA  
<213> Glycine max  
  
<400> 32771  
  
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atgtgacgtg atgatcaccg aagcgctagc aacatattta taaaatattt tttaatata 120  
tttttatta tcagctaaca tttataaaac agattataaa tctattaata gaattcatta 180  
aacacaaaat aacatcaatc aaatctgtat tttcaatac aattcaacca cagttcacgg 240  
tgtatttaat acagggggct ggcgttatac taaccatgat accgtacc 288  
  
<210> 32772  
<211> 472  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32772  
  
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ctcttaacc ttggcctccc ccgcattcccc catggggaa aaataccatt taaggaccct 180  
attggagctt aaaaatccaa ccccccattga aaccccatca gcaagggttcc attccatatc 240  
ttctatcatc ctaagattga cccatgacaa tgaatctatt aaaagttact accagctctg 300  
agaaactaac taacagtggc caatacgatt gatggggaaa agaatgattg gacttgcaat 360  
gtggggata gaaatttgtg ggtggctgta caattgtcct cttatttatataaaaaggcgt 420  
cgttccaatc acaccaaacc ttttgtttat tttttttca cgaatttacc tc 472  
  
<210> 32773  
<211> 352  
<212> DNA  
<213> Glycine max  
  
<400> 32773  
  
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ataccaatac caaggtgagg attggcacaa ttgaagtgaa tcgcggcctc tatcaattca 120  
ccccccaaga accaaaaaca cataccatat gtttatcat tacacaccca aagtgtctaa 180  
tcctccctgt aaatctatgg cattctcgta tgggtcaccc cttctccgaa agattacaag 240  
ccatgcaaac atacctatcc tttcttaata ataacaagag tttcatttgc aataacttgcc 300  
attatccaa acataagaaa ttacctttc atctaacaca tctcatgcat ta 352

<210> 32774  
<211> 181  
<212> DNA  
<213> Glycine max  
  
<400> 32774

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aaaatgaaac tagatggcc ttgcttctat ggctcagacc ctacaaggcg gattgttaaa 120  
aatcccaat ttttgctta ccactcaagc cccaaatccg agagactcac catagccttc 180  
t 181

<210> 32775  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<400> 32775

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aaaaagtagg ataatatttt tctaaaaatt ttctattatc aaaaatggta aatattcggc 120  
gattttattc ctaatggta aaattaaaat tttcattctt tatacaacaa attataatta 180  
aataaatcaa atttattgca attatatagt ttaaaatcat ttttaacatc taaatactt 240  
attaataata tta 253

<210> 32776  
<211> 464  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32776

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ccacccggcg atcgtaga gtctacctgt atgcatacaa ctttgctgct ctctggggcc 120  
aaaacttaggc agctgaactg caggtctcac ccataatcaaa cacctgttat ttaacgaaat 180  
aattttaaat gcaacaattg tcaggtacac aatttgaaca ctaacatact aacattatcg 240  
tctcagaacc aacattcaga tgcttctgac acatctccct aactctatta ctccaccaat 300  
ggttgatctc aatcaaaccataaactcca tctttatgat ccacgaagat acgctttgta 360  
cctcattaag accgctgatg atgcccgacc gctccctatc ctttatgacg ccccacatct 420  
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<210> 32777  
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<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32777  
  
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aacactgagc acaactgaac tcaattccct ctcgaattca tgccaaatga acggatccag 180  
gctccaccag atctttctct cactaccacc aatacgctat ggcatacgtc tcaattggca 240  
aggcatctgc acactttgaa tgacccctt tcatctttc acaaacgcag taaaccttat 300  
cctactcgcc tacgttattg tgtcaatctc cctatgcaaa tccgcaccca gagcgatccc 360  
cgcctacaat taacctatac tattcctccat gcacaatcga attccgtcca cacgaaatcc 420  
taccatacac ttcccaattc ggctcaactac attcg 455

<210> 32778  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<400> 32778

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gaatgcctgt atacatgact ttgatgatgt ccaaagaaca atcaaacaac gtcattttg 120  
cttcaagatt aatacaaaaat tgttgcaca aacaaagcct tgattcaaga ctccctcaag 180

atcaaggcctt gcctcaccat gaaaggcttc aagcccttca ccgcacacgt aatcgactac 240  
caacggtttg 250

<210> 32779  
<211> 171  
<212> DNA  
<213> Glycine max

<400> 32779

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gttccaccat ggccgttgaa aatgcaacaa tagaaaagcc tttagaaaag tggatcgagg 120  
aacaaagaac aatatcgtag tttatattta acgcttaaaa cattattaca t 171

<210> 32780  
<211> 210  
<212> DNA  
<213> Glycine max

<400> 32780

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cctcaaataa ggtctgaact ttgaagttt atttctcaca tcatcaaagt tgaaaaatgc 120  
acacacacgg cctttatattta tagcctaagt gtcacacaaa attggagggg aatctgaatt 180  
ttattcaaata ttacttgaat tgaattttga 210

<210> 32781  
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<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32781

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taattaataa atatttaatg cttaaggttt aaaacaatta atattcaaa acacctctta 180  
atcacaaaaat aaataaataa aaaagaacag aacaaaaac gcacacttat ttaatcacat 240  
tntataatca acattgcaca aactcataca cgccgttatct cttatttcat aggcacggtt 300  
tttcattctc tttctcaaca cctttattcc atctgttca agcttaact attatnattc 360

gatggagttc acatattgtg attgtcaaac cccaaacatc atcacaacac cacc 416

<210> 32782  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32782

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gagtttatgc ttacttgaaa ttaagttaat tacttatgtg agttcttgat ttgattcccta 180  
tttctctccc gcttggcat caacaaaaag ccaaagtgcg caacaaatat aaaacataca 240  
tacattacta atcattcaca agacattcat tgaaaaaattc taaaccaatc atgaagcaag 300  
aaacatgaat agatcacata tataaaaacc acatagtcata aacataat tcataattgc 360  
tcaatcatac tat 373

<210> 32783  
<211> 419  
<212> DNA  
<213> Glycine max

<400> 32783

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cgccccggca tttacgcaac gagcataatg taaaccttta cggtttaaa agctctata 180  
ttgggcctag gcttagagt tttcatttg ttaaggctt gtgtcttttgc ttttgaatt 240  
tataatacaa ggatcttct tcattgttc ctatctcta cccattctca ttcatttgca 300  
tgtttacttc ttttctaaa acggcagatt cgatgacgag tccccgaaag gtactaata 360  
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<210> 32784  
<211> 213  
<212> DNA  
<213> Glycine max

<400> 32784  
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aaaactggcc atgcatgcac ctatgcggac actcaacgct gagaaaatta tggtcatgtg 180  
acgctcaggc tcacgagtcg cttcctctat ttt 213

<210> 32785  
<211> 272  
<212> DNA  
<213> Glycine max

<400> 32785  
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aatggatgtc acgggtgtgg tttaattact tactatgatt cgtgacgatt cttcacaacg 120  
tcttatatgt ggatggaaaa taatcaatga attgccatgg ctatttaaca ccttaccaga 180  
taaggaacca acaaaagaac catacttata agcatgtaac tattatgacg tgtaaaaat 240  
tgaagaacaa tccacactta aagatcacat ct 272

<210> 32786  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32786  
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aagcattcgt ggtgatcta tttaaaaaat aacactgtat acaatntcc aaactggtt 180  
ctccaatggt ggacttattg tggtccaatc ccacaaatct ttccagaaga agtccaacaa 240  
ggatttcaac agttcaatag attgttaaca accacgaatc aagaattcca gccgatctaa 300  
tgtattttac tagcttgct ttgtcatgga tctttcatg gcaatacagg tatggaaaa 360  
ctg 363

<210> 32787  
<211> 352

<212> DNA  
 <213> Glycine max  
 <400> 32787  
  
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 aactcgctta gcgcggtagc cacgcttatac gagttcttca gagaacgcct ctatacaatg 180  
 agaactgatg aactcactta gtgcagcatg ctcgcctacc gagttcattt gttttccac 240  
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 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
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 cccagctgca aaatataaggc aagagagagc atgagtcctt taaggagtac gcccaatgg 180  
 ggagggactt ggcagcacaa gtggcaccccc ctatggtgaa aagagaaatg ataactatga 240  
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 tcacagattt gatatttgc 319  
  
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 aaacttatta tccctgctta ccatattcct cttcctctct aaaatctatc atccctgctt 180  
 accattctgc tgctcctctt attcctataa gactcctcta agccctactc agaaagaaca 240

acgaccta at ttgtgccggc atccaacttt ttcgccttg aaggccttt gaatgttcat 300

tccatttgcc caatttcaat gtctgtccac 330

<210> 32790

<211> 159

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32790

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gccaatcaga tcatggttat gtatagaaaa gacgcttcca tgccttgat gtacgcatta 120

caa atgcctt acttgatttg tatgccaagt gtggatgca 159

<210> 32791

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

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gagaaggta cgtaatgacg cataccatca cccacaatat ccccatgata cacactgcta 180

ccattgatca tgaatggaac tttaccacta tccaatgcat aatccgatct cagctcgcaa 240

aacataatcc ctaactatc tcctaaccac tatatccaac tcaatttgct aagttcacgc 300

catgctatgg attaagcctt ctacatcgca tacactgaat cactcatact ctccttctta 360

atcttctccc cattccacta accaaatcct atcattgcct ttatgcaccc cacccaaacaa 420

ctctctaaga aaaacgacta tttgtcctga taacccccc 459

<210> 32792

<211> 291

<212> DNA

<213> Glycine max

<400> 32792

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aaaaatgcc a gtcc tacata ccaacgactg atggactgag tcttagaca atagatcgga	180
ccaaacatcc acgtatatgt ggacgacatg gtcgtcaagt ctaaaagcat agccaaacac	240
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<210> 32793  
<211> 196  
<212> DNA  
<213> Glycine max

<400> 32793

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tttcactcg gatgtccgat cggaccgcgcaaatataccta gaagccccaa atcgaaaaca 180  
gaagctctga gcaaatt 196

<210>	32794
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<212>	DNA
<213>	Glycine max

<400> 32794

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cattattgca aagattctga gatcaatggt ctcacaactt gattatgtgg tatgctcaat     180  
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<211>	335
<212>	DNA
<213>	Glycine max

<400> 32795

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ttttaaaaaaaa aagcttttc ctcatttctt attattttat tataaaactat gccacatgtc 180

tccatttgag tggagcaaaa agggcccaact ttcccctttt gactgtgacc cataactcagc 240  
cacaaaagtg aggaaaatct gaccttgaa acgctaaaat cttgcctcggtttgcatgcc 300  
gtttctatgg ttccagttcc tcgcgtttct ctgcg 335

<210> 32796  
<211> 417  
<212> DNA  
<213> Glycine max

<400> 32796

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tttgttactt acatcacacg catctccttg gctgaatttg catacatgca tactcaaagc 180  
attttgggtt accaaaaattt gcacatgtgc acatcttggg atttctaata cctatatata 240  
cacaaacttc atgatgaatc ttgactatct tcacaaaaag gtgctacact tcatccctt 300  
tttcaagttt ttgctaccta aagccgcacg caaatttaag catattttc ttgcggacta 360  
aaattgtatt ccaattaaaa agtatatttt ttgtaatatg ttttcttcat gccacat 417

<210> 32797  
<211> 207  
<212> DNA  
<213> Glycine max

<400> 32797

accgcgcac cccagagttt cccgcagcat gccatTTTC cacgacgggt cccgaaagct 60  
gccccatcta caaaccaaac acacttcatc ccacacctaa ccaacactca accagcttt 120  
acagcagaaa gagtctctac ggcgttcattt cgaacggcgg aacgaaatga aacgaaacac 180  
actggagaga aacaaaaacac aatacaa 207

<210> 32798  
<211> 335  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32798

ttaacaacta ttccggacgt gcagttatg ttatgaaagc cttctttac ggttctcana 60

gcgtattaga ggcttcttt caatggctac tagatgtaat taagtctta cagaacttag 120  
tgaatgaact gaccatatta gaaaattaca ggacacaaga aatacctcca ttattatcg 180  
ttaatggta aagagtcttc aagtgcacat gccgtgcata caataatcaa aatcaagaca 240  
agcacaaaaac atgcaaaaag tgcacaaaca tataccatga aaaaataaca atacaaaacc 300  
caataaaagg ctgtcccgta aatagggtt ctcgc 335

<210> 32799  
<211> 337  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32799

agtttcacat agctgtcagc taaatttagga gccatgaaga agtcaacata cccatcta 60  
atttcagat gcccagccta nacccatgag aagggagaag aaagaaaaag ggcatgttac 120  
tgtattgaaa tccatggaga tattctacca gaagaagcat gtgttatcaac taattaatca 180  
cctgtatccc attacttaga gcaccaccaa aaaggataag tattgaatca catacaccac 240  
tggaatcacf gatgacaaca gcattgacct taactctctc acccaaaacc aaccaagggt 300  
aaggaatggc ctggtaacgt gcattcactg aattctg 337

<210> 32800  
<211> 375  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32800

agtttctacc aataccatt cctacaactt attatgaaga ggaagggggg atcgaagaca 60  
catatatgga catagaaata gagatgacaa cacaatttt agaggcaata atgaccaatt 120  
ccaaggtaaa ggcagaggaa gggattttga aaagtctagg gtggagtgc atagatgtca 180  
ttgtagaagc aaagcttcat ggtaatcaa agtgattca aaggtttt gatgataaca 240  
atgatgataa caaaagatga tgacaaaggat gatgacaaaa agtcaaaga tcaatcaa 300  
aacaactcaa gtgaatcaa gatcaatcaa agaacaactc aagtgaatca agaacantnc 360  
aagagtaaga gtcaa 375

<210> 32801  
<211> 316  
<212> DNA  
<213> Glycine max

<400> 32801

agctttagc atattgaaac ctcaatatacgagaagctc gacattgaaa gaagaaaactc 60  
tgagcaaatt gaaacgacaa taactttca tttggatgtc cgattgagta ccgcaatata 120  
tcgagctgct cgatattgga aacataagct ctgagcaaatt ccaaacgaca ataactctt 180  
actcggatgt ttgattgagt cctgtaatat atcgaggcac tcgaaattga aatcaagct 240  
cgaagccaat tcaaacaaca ataagtttt actcggatgc ttgattgagc tccttaatat 300  
tttgagacgc ttgaaa 316

<210> 32802  
<211> 481  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32802

cgcgatttgt ttgcncgttg ctagnctng acatttggta gattagcgac caccgaatta 60  
nacgatataa ctattnactc ggatgtctct ttttatcggg taatataatcg agacgcgtgg 120  
tattgataat agaagctctg aaccaattga aatgacaatt actttataaca cggatgtcct 180  
ggttgagtcc gtatataatc gagacgctcc atattgatac aaaacatttt ataaaattaa 240  
accacgataa cttttactt tgatgccga gatagtggct taatttatcc agagatggct 300  
caaaatgaga acggaagctc ggatcacatt caaacgacaa ttactttta ctggatttc 360  
tgactgagtc cccgtatata tcgagatgct aaaattaaa ttccatagtt ctggaaaatt 420  
tggattgaca tgactttata cccggatggc ctgttgagtc cttgaatata tcgaaacacc 480  
C 481

<210> 32803  
<211> 368  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32803

agctttggct ccatctatat ctaaaataaa aacacggtgt gagtcttcgt gtttcataag 60  
ccacaacata gaaaggccta aacacaagtc aaaacacata agactaacaa ccaccgtgtt 120  
atggtcatct atcgatctc acacgcattc taagggtgtca ttttcacta tctcaacata 180  
catattgtgg tcaactacca ctagaactct caaaaactcag tggcttcca acattctagt 240  
ctggatgaat gctacgagta cacccatcg acaatataat ggcacggct tacctattgg 300  
ctatgcctca cacttgcga gatttccaag ttgacactat ggaaactcga ccacaaactt 360  
ggtgccat 368

<210> 32804  
<211> 381  
<212> DNA  
<213> Glycine max

<400> 32804

attnaaattc ctaagatcat gagcatctat ttgtgtctta ctatgaaaag tggtcagata 60  
acaaggcatag attcaaaagg tactaagttg cctcctaaga gcgccttctt aacgtcttta 120  
actggacgca tggatggcttg taagtacgg acctaacact ttgcttacct ttggctttgg 180  
acttggtcgc ctgctggcc gccatgtgtc gtatgcaata ctcaaacctt tttgtggatg 240  
agcagaggtg aactctaaag ggggtggcgg cgccgtctatt gcccgcattt gaccatcccc 300  
aggctgctgt ggtgtttcgc cctgcgcctg cctggagacg caataacttt tggatgaaagc 360  
atcattacta gggggcctga t 381

<210> 32805  
<211> 209  
<212> DNA  
<213> Glycine max

<400> 32805

agttttggct ccacctttct ctatTTTaaag aacacaccga gagggttctt gtttcataac 60  
ccacaacata caaacgccta aacaaaagac aacacacata acactaacaa ccaccgtgtt 120  
atggccatac atccgatctc atacgcatac caacgcgcctt ttcttcacta tctaaacata 180  
catattgcgg ccaactaccc ctacaactc 209

<210> 32806  
<211> 286  
<212> DNA  
<213> Glycine max

<400> 32806

agtgttaacc atgccgttct acaaatcaaa gaataacaact atggggttgg acgaaggacc 60  
tgcgacattg gattttgttc ttgaacccga agtcagtgtc aaacggagtg tactacaaaa 120  
tatctataaa tggactgtta ataatgaaag caaacaagaa tttgttcatt ttctttgcgg 180  
agtcacttg gaagttctct ttgctgcgt agttatctta cgacctttac ttttattatt 240  
tcataacaaga cccaaagtca aaatttccac actcatacaa ccacccg 286

<210> 32807  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32807

aagatttctc tccatggat gacacttgtt ttaacagttt ggcgattgtc gacagtgtgc 60  
ggttacgatt attctaattt attagctcaa cctccaacta gcaacttgtt cgtggcccgt 120  
gattctaagc acggaccac tcttgnccctt tgccacgtt gcagtccaat agaaatata 180  
gatatacgta atttacattt gtatgaatat aagatata 60 ttaatataag ccattagata 240  
acgatcgat gagtaattac ttcttgctaa agaatgccga atggggcatc atgttttaag 300  
ttactagcat tcttcttctt gggagaatcc atgtgaaacc aacaattata aaatacctat 360  
aatattactc tat 373

<210> 32808  
<211> 230  
<212> DNA  
<213> Glycine max

<400> 32808

gactaatagc gcacacaatg cctgaacaca ctccctaaatg cctttacagg accaagatcc 60  
accaatagaa aatgacaact acccatgcgc tgaaggccta aacgacgaca catgtattt 120

aaaatgggt gataactatc atgccatcat ccattggtcg ccacaaaata aaacattcca 180  
atctagtcca tacgagacac catabctaa tcatcaaatt gtctacaagg 230

<210> 32809  
<211> 345  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32809

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ttgagattct catttctgcc cgggggctgg agtttgagg tatggatcta tattttcta 120  
tcttaacttt ttcaaattac tactatgtaa ttattatcaa gtctatTTT gttatgtta 180  
gtctgttaac aattaccata agcaattact gatTTTattc cttatgatat tgcgcatatg 240  
taaatttgc tggccctt gggtagt ccctcaagca tagggcattt gggctttct 300  
gacatatgat gaaaaagcg ctgacttgac tgatggata ggttg 345

<210> 32810  
<211> 328  
<212> DNA  
<213> Glycine max  
  
<400> 32810

agcttgcatt taattgtaca tctgggtgtgg aaaatatTTT ctcttgggt gtcgtccagt 60  
ggctgcacatc gacttcacaa gagccttctc accattagca tatcacccctg catagcttc 120  
tcctcaagct ctcttccac ctcttcttct tcactgattt cagattcact ggtgatttct 180  
ccatctgcct tcatgatcat ggctctcctg gttggacagt caaaagcaat atgcctctg 240  
cctaagcatt tgaagcattt tatgtttctg gtaccgggtgt tggatcatgg cgtacaatta 300  
tgcttagctc tagctactga cattccat 328

<210> 32811  
<211> 350  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32811

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catttgccttc caaagttca tggccttgca cgtgaagacc cgcacaaaca tttgaaagaa 120  
tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catattctg 180  
aaggctttc ctcattcatt agagggagtg gcaaaggact ggctgttatta ccttgctcca 240  
aggccatca cgagctggga tgacctaag agagtattct tagaacnaat nttccctgct 300  
ttcaggacca caaccatcan gaggatatct cacgtattac acaactcagt 350

<210> 32812  
<211> 326  
<212> DNA  
<213> Glycine max

<400> 32812  
  
ctttatata atagaggcct gtgtcagctc gcatggaact ttgaataact ctatttcattc 60  
aaacataatc accaaagaga cattcctaaa acgcaaacag aaggtacata tggcataaaa 120  
cctcagaatc ttagctaaat gaatggcaat tatattatag atgaatcctc tgcaattgac 180  
actgattcac tgaacaggaa acttaccttc atccctctta cacttccaa tgtccacaag 240  
ccccatggtt ggcccaatcc ctcccatagc cacaagttca gtgaagtgg gattgcgatg 300  
gccatcccc cccatagcga aacagg 326

<210> 32813  
<211> 316  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32813  
  
agtttatcaa ggaagcgatc tagtctatag ggagaagcat gtataacact cgttgcaact 60  
ttgatgaatg aaagtcttat gagataact tcaaagttcc acttctctcc ctcttttagt 120  
cccttaattt cgctctcccc cttctctct ttctttctct ccattaaagc atcctttta 180  
agcttcttat ccatggaaat tcttgggtt gaagcttcct cttncttggc ttattcccta 240  
gtggatggtg cttccctct cttctctcc ttttccttcg atgcatctca tgggtaaaa 300  
ccccactgaa cacccc 316

<210> 32814  
<211> 324  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32814

agctttcttg ttaaaaactgc cttgagaaaaa cgtcctttag aagcttagagc ttanctacac 60  
acacccctct aataactaag ctcacccctt taagaagctt cctttagaaag attcctaaag 120  
aagtcaagc ttagttacac tcacccctct aatagctaag ctcacccctt tgagatgaga 180  
agcttagagct tatctacaca ncccctataa tagctaagat cacccccatg caaaaataca 240  
tgacaataca aaaaaagtcc ctactacaaa gactactcaa aatgccgtac aatacaaggc 300  
taaaaacccta tattactaga ctga 324

<210> 32815  
<211> 364  
<212> DNA  
<213> Glycine max

<400> 32815

ctacatattt tctatagtggtttgaaacct cagacaaaga tggttcttga tgcctcaact 60  
agaggtacta ttagtgtctaa gagcctaaag gaagcaattt taatcattga ctccattgca 120  
gccccatgatt atcagagtca ccatggtagg actccaattt aaagaaaagg tataatgaac 180  
cttgataactc attatgcaat tttaagtaac ctttatcaac taaatagctt aaaaaagtta 240  
agaataattt acctaagaat tgtcttcaat ccttcttatt ggacttagact tagaccaa 300  
atcattattttaacagcata tttaaaccaa tatttatctgtt tttatccctca tttaaaataa 360  
gttc 364

<210> 32816  
<211> 302  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32816

agcttatcct tatggcctgc ctgcggactg gaccccccgt gccaccccg aagatctaag 60  
ccaagccctt actttcgagg ggcaactccc accttatgaa gactatcccg ggcaagacga 120

tggggaatga gatacccatc ttggccccct gctncacctc aaagatccat ccccgcatga 180  
actacccag ccgaacatag tccactatat cccggcctca cccacacccg taaaagaatc 240  
tgtctccttc gcggaagata acggaaagat tgacgcgtt gaagagaggt taagagcagt 300  
cg 302

<210> 32817  
<211> 415  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32817

aagagacaaa tattccaact gacttagatt agcatattct ttntgaatga caaacaatgc 60  
gcctaccagg gaaggagagt ctgctgatgg aatctcccat aaccataaat gagattttgg 120  
atgttagcat ttcgtttcta aatgaccatt tagagggaaac actgggttcg acaaaaatag 180  
aagaaatcca ctcaaagtgt atcaatctcg cacaggttaag tgtttcatcc taattccgaa 240  
ccatagatat gtcatgactt gacttgcaa attatttcct atcaaatcaa aaattacatg 300  
cgtgatcatg gatcaatagg gcttcccttg ggaatgggtt ctgggtgg tctttttttt 360  
cggctttgc gtgtatttgg ctttgattc tcctggctt ttcttttctt gttct 415

<210> 32818  
<211> 331  
<212> DNA  
<213> Glycine max  
  
<400> 32818

gtactgcagc ttgcaagttt ctctcgagct cgtcgatgac acaaggcagca agctgccaag 60  
cttctcttga gctcattgcg atcgtgggtg ggacttgcgg cttccaacaa aaccagtcta 120  
ccaccgcacc gcgctgccat gtcgcattgtt ttctggctc gcgtcgatcg gtctcgatc 180  
gtctgaacag ctccaacctc ccgtgaatga agaacaggaa caaacaccaa atgaaagaac 240  
caaaatccct aaagcacagc ggaccagtgg gcacacaaatg atgtcgatata gtggaaaaaa 300  
atatctcaac tgaactcgcg tgattccgc t 331

<210> 32819

<211> 293  
<212> DNA  
<213> Glycine max

<400> 32819

ctgtttcact cctatttatt catatgcata ttggaaagct tatbtcatca tgtacatatc 60  
tgcattcaaa aggcattcca gactatcata cattcattta ggaagacaat cattcacaca 120  
ttgctaagaa tttcatgctc cttatattta cctatgtata cacattattg ccaggtggtt 180  
tccacgctac cgttatgtaa acatcaaaca ttggggcaaa cctaaatcca gcaaaaactc 240  
ttacaagcaa atcctaattt catgtattcc taattctaaa accaaatttg gat 293

<210> 32820  
<211> 304  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32820

atcttggta cactangaac acacacccta tcctgaaacc tcaagactcc atcagttccc 60  
actctaaaac tactctctct ccctgcaact atggactata attgggctga caagaatggg 120  
tcagacttct gaccctcacg gatcttgctc aagagttcgc tggtgactct caacataccc 180  
aacttaatgc tactacaggt gatctcacat gccaaactca tgtctctaaa ctgctctaag 240  
aagcccaact ctctaacatc aaaccagaca tttgaaggat ttcctactta cgcatcacta 300  
ctac 304

<210> 32821  
<211> 331  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32821

gataaatcaa tgtgaatgga cctcgttcat ttacttatta gcattgttgg cgtttggac 60  
catactattt ccaaatgtag acggcctagt ggacttagca gtgatcgaag cctttctgc 120  
ttatcatcac agcaatgaaa gcccgatcat cactatntta gccgatgcat atgatacgtt 180  
cgacctgaga tgcgaaaaga gcagtgcaag aattgtctgt tgtatgcctg ctctttatgt 240

Glycine max

gtggttggtc tcccatgttt ttcgtcatga aggtaggcct gtctatcctc tataaagtca 300  
tcacatgtgc cctgaaaggg aaaagcaa at t 331

<210> 32822  
<211> 233  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32822

tttttagccc tcaatttta aaatcataag ttttcatcca tgcattctt aaataccaa 60  
actgaaattc ctaaagctag caatgtacgg ggcaaaaact tataatttta aggattaaat 120  
tctggatatt taaaaataa acaatacgaa aacctgacga gtagctactg aaattttccc 180  
tttaaaaggt ccacagatga aaacttcnaa ttcacgacta acacaaacat gac 233

<210> 32823  
<211> 355  
<212> DNA  
<213> Glycine max

<400> 32823

agcttttgt gggaaattta tccgatctag gtgataacaa ggctggtgac tcgctaacag 60  
ccaaggcaaa ttactaaagc caactttaat tctttcact ttcattctat caccaaatca 120  
agagccatta cagaagatgt gcactatctt gatagaattt tctataactt ggaattcagc 180  
ttctcttaaa taaattaaaa ttaaagatct tttgaattca tgaattgcta tttcattat 240  
tggctgcata tggtatgtat aataatactt tggattggtc agattgcat ttaatgctag 300  
ttgctcaatg gtgcgatatt atctataata tagaattgtt ctgtaaagaa ccatg 355

<210> 32824  
<211> 347  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32824

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agtatgacag tcaccgcttt aggagcgctg tacaccagca gcgcttcgag gccatcaagg 120

gatggtcgtt tctccggag cgacgcgtcc agtcacgga cgaccagtat actgattcc 180  
aggaggaaat acggcgccgg cggtggcat cactggttac tnccatggcc aagtttgatc 240  
cacaaatagt ccttgagtt tatgccaatg cttggcaac ggaggaaggc gtgcgtgaca 300  
tgagatcctg ntaaggcgt cactggatcc cgtttgcgatc cgaccta 347

<210> 32825  
<211> 158  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32825

tcttcaagaa taaatagttc ttcacattct accataatat catgtntact cactttgagt 60  
tcatcataat ctttngntgc ttgtgcgcatt tctctccaaa gatcacatct tttttctttt 120  
ttgatgaata tgtacgtcat taagttcctt aatatcct 158

<210> 32826  
<211> 356  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32826

agctttgaaa gtatattttg actaaataca ctcaaaaagg accaaattgt gacaatattt 60  
gactaatagc attaatggtt tcaatgctaa tacgatattt ttattttata tagaaatata 120  
gtattgtatt agcatgagaa aacataaata aaattaagac aaagattaaa acaacttaaa 180  
aaagaaaaaaa tacagataat ttaatttaat aaattatgtg agctaataat taatgtttt 240  
ttgtattgaa taatttagttt atatataata ataaatttaa ttatatgata taagttggat 300  
cggttgggt taaaaaaaaata taacttggta tccaaaccgt atatgattttt gtctta 356

<210> 32827  
<211> 413  
<212> DNA  
<213> Glycine max

<400> 32827

ttggagggtt tggatgaata cctcaatgat gcattgaacc ttgaatcgag ttttgaagac 60

ccccccataat ttatTTTatt gatattttat tatttaatga tttgttagctg tcATgcgtgt 120  
tggTCgttGT tGTtattactg agtGTTTtc atgtgtgttt taatggaaaa agtgtgaagt 180  
atGAATGaa attgtataag tgtcaaaaag ttGCCCTcat agattgaaat cttgaagtat 240  
tactgagtgt ttttgccact tcgataattc attttagggt tgaatcgaga cccaaaattt 300  
gtcttaatag tttcattgac atgaaaaata caggaataaa aaattatTTT aaccAAAata 360  
acttatacac ataacaatct aagtGCCaaa aattaccCtt atgaattgaa atc 413

<210> 32828  
<211> 345  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32828

agcttttctc tGTatacatg gtccggatt gtggatnca ccgcactcct aagtccctct 60  
ttgctcTTG cTTgttatg aacccagctc actatGCCCT tattttcccc aaattctggT 120  
tcagttggcc tttcccagt tactagttcc atcaacacca ctccaaagct gtacacatca 180  
ctcttctcat tcactttgta cgtgtagcca tattctacac caattcaaAC aaaatccata 240  
cattaataag catgattaaa gatgcAAat taacatacac aatacactac aactcatctc 300  
ttatcaaaag acaggagcta ctactcaatg ctaaccagga gcaat 345

<210> 32829  
<211> 287  
<212> DNA  
<213> Glycine max

<400> 32829

gatcgGCCaa taactggcta gttaagtatg tgaaaaaatt ctTGcAGTC caaAGactaa 60  
tgCCCGGGCT taaAGTTatt tacaccagaa ccataaggaa aagttaatt caacaaagaa 120  
agaatataaa attacggggA caaaattcgc attgatgggg aaatggaggt acccaattga 180  
ccaaatgttG aaggcaaaAgA gagaaaatgg aagaggactt actatcagct gcagaaatct 240  
tgagctgctc aagagcgggg gcattatttG gagcacccGA tgatgca 287

<210> 32830  
<211> 287

<212> DNA  
<213> Glycine max

<400> 32830

agcttgaagg caaactggat gcattggta acttggttaac ccatctggcc ttgaatcaa 60  
aatttgcattc tgcgcaagg gtttgggtt tggcttcctc tgctgaccac catacagacc 120  
tttgccttc catgcagcaa cctgcagcaa ttgagcagcc tgaagctt gctgcaaata 180  
tttacaatag acctcctcaa cctcagcaac aaaatcaacc acagcagagc aattatgacc 240  
tttccagcaa cagataacaac cctggatgga cgaatcaccc taacctc 287

<210> 32831  
<211> 309  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32831

atctccatca ttggggcgac acttgagtt tagatccctc tacctttggg cgtaatttt 60  
gaaagattca tggcccttt tacacatgtt ctgttagctac attctatgg gagccatatc 120  
aaaattgtac tgatactgcc taataaagga aaccattang tcttttagg aacggacccg 180  
ggaagacttc agatngctgc accaggtat gggtgcccta ctaaacttgc cttagaagaaa 240  
tgcacatcaca tttctcattt ttgcgcattt cccatttct acagtacatc tcaagtgaat 300  
tttggccaa 309

<210> 32832  
<211> 349  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32832

agcttgcata aatcaaatca ctcctacatt gcatctctag catgcatttt ctttctttac 60  
ccactcctca cgtttggttt ttttagggaaa aacaccataa ctaaacgcgc cgcaaggtat 120  
ccctatcgca ccagatccaa atctagaacg atgggtgatc aagaggagac gcaggaacag 180  
atgaaagccg acatgtcgcc tctgaaagaa caaatggct ccatgatgga ggccatgtta 240  
agtatgaagc agtcataga gaagaacgcg gccaccgcgc cgcgtgcag ttcggctgcc 300

gaagcagacc cgactctttt gcaactacgc accatnctcc ctcaacata

349

<210> 32833  
<211> 330  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32833

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caccccccctg ctttttttg tgattctttt ttcgtaaaagt tacgaaaact tacgaatttc 120  
gtaacgatac ttgtttctt tccgtaatgt tacggAACCT tgcggatcac ataatcatcc 180  
ccttcttgac ttatggaatg ttacggaacc tcactaattt tgaaacgatg cttccattt 240  
atctccagtg tggcacggaa ctttacagat tggcatcaa tatntcttt tgtttcccg 300  
atgtcccgga atttacaaat tcttaatgat 330

<210> 32834  
<211> 308  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32834

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catccaagaa attgttatga aacatcttga atgatgtcat tcccatatat taagctttgc 120  
gagttggtca aagaaaggaa aaacaattaa agacatagct tttaactatt caagagtang 180  
ttgccatact cttgtcact attcgccaat caactactac tatatttaca tccggtcatt 240  
tccaacactc cgttagacact attcataaga actctaagag tggtctaaaa tccatttgct 300  
atctttct 308

<210> 32835  
<211> 405  
<212> DNA  
<213> Glycine max

<400> 32835

cttaattatg tctcacttaa ccactaaggc attttattta tgcttacaag gttgagattt 60

60  
tatgtttctt ttatTTTcta ccaagtacat aacaattgac ttgttagcgat cctcaaggct 120  
tatcaaacat cattgattgt ggTCCTATC ttGTTCTTCC tttcacattt ttttgttcc 180  
ttgttaatt cccgcaatgc taatTTGta attctgtccg aatttcttat ttcataatct 240  
ctcattatac ttaacCTTT tcggTgtttt tttgtgccta cattgcgtt cataacgtcc 300  
tctttcacct cgTTTGGaa tcattccatt ctgtgtactg tacgctaaaa aacaaataaa 360  
agttaaaaatg catttatggc tcaattggtg tgcgaattcc attct 405

<210> 32836  
<211> 331  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32836

attatggcgc acccatcaga tgtggtacta cgtggcggtc gggcgatgg gcacaacaag 60  
tttccacat ccacaaatcg cgcataaaca caccatcccc tgTTGCCAC ctccaactga 120  
gctcacgtac tcccacgtag cccatATCCT cgtttctctc aacaccgggt ccccatcaat 180  
cctcccaAGC ttcccaaca tgcaagtaat tcaacattca acagcacaaa ctatcacagc 240  
caagataaca cggcaaaggc agaaaactct gccataacac caaccacaat cacagTTTT 300  
ctcacttaca gaccnacta acaattcctt c 331

<210> 32837  
<211> 472  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32837

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ggcttggta aaatacccta cttagtGta ttccncctt cgaaccgtgt ggaagtgtga 120  
ttggTTTGCc aaccgcctga ctctttcttg aagggtgatc ctAAAACAAC tacctactcg 180  
tgtaactcta agaagGAAGG ggattatcgt ggacgatggt gggTGTGTC ttTCGGTGA 240  
tgatcacgac gaatcacaac actcgTTGAT ggggtgcacc ttctcataacc tggatCTGGC 300  
gcatcaccta tcaattggtg gtgtatattt gggcaagcta gaatagtccc acatttcaat 360

acatgcaacg cggtgttagtt tgtcagcgga aacaggacgc ataaaactga ccatccatc 420  
tcgtcctggt tcgatcgact cttttgttaa acacgaactg tctactttg cc 472

<210> 32838  
<211> 318  
<212> DNA  
<213> Glycine max

<400> 32838

agcttgatt gattcagtct aactaggat agaggttac taatctacgc tataacaatac 60  
aagacaaaag catgattgat cagagaaaca tctctatata catcagcctg gttgttacac 120  
agacctaaca tctttaccta ctactgtcag tcttacggtt tttagcctag acttagctt 180  
actctgctct aaatcatcaa ttatcaatgt ttctttcaac aatgccttat ctctgaattt 240  
aacccatatct aagactactt ccctgagttc gatactcgga ttcatccgct ttaattttaa 300  
atacttgacg atccgatg 318

<210> 32839  
<211> 395  
<212> DNA  
<213> Glycine max

<400> 32839

gttattcatga caacgataca tggattacat tatatcttga tgcaatgaca tatccatgt 60  
ctgttatatc catccacttg tccacactaa cctaaatcac aaaaacatac atgtgtcagt 120  
catgtaaaca ttatttataa aaaaaggcat aaacaacata ccttgataa cccatccaca 180  
tgttagggaca acctcaactg ttcaaatctc tccgtgccac caaagagctt tatgtgtct 240  
tgtgaccatt tgccatgttc tttaatcaat tcattgcgca tcagtgccca agattcttct 300  
cccatatcga acaaaggcgc aagtgactga tatccacagt taccatctgc tttcacatca 360  
ataatgtcct caatgaaacc ctgtataaat ggtgc 395

<210> 32840  
<211> 194  
<212> DNA  
<213> Glycine max

<400> 32840

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tgggtggaaatg caaccccgcc ttcaccgctt ctaggtactt aacacccgccc gtaggcaat 120  
ctgtgaagtt ccacgacatg tctgaagtgc aaaggaagca ttgttgcaca atccgtata 180  
ttctgcaaca ttcc 194

<210> 32841  
<211> 426  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32841

gcgaacacagg ctattannct aanccgcct tgaaatagcc ggctacgttg gcaacgagac 60  
acggcaactac tttctagtcc aaaaagtaag ctggccgcg cacaacatag atgcgacaat 120  
atccccaaagct ccccgaaaag aggttaggac ggtgatcgct cttaccccg aggccaccatg 180  
tggatggacg gttgctctac ctttgacggg agtccagaac tttccgaat ggtagccaag 240  
ggccaaagcg atgacagaca cctactcccc cccgaaaaat atacggcctt ctcgctattg 300  
taacgtatga tagactaagg cccacgtaat agaaatcgta gaaacctgtt gacgctcaa 360  
cctgacaata tacttctttt gaataaatga gttgtccatg ttctactcaa acctggcaat 420  
caatct 426

<210> 32842  
<211> 373  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32842

agggtggcatg ccctacttgc gctttaacga tcaaattgaa acctgaaaa tcagagtcta 60  
caaaggctgt tagattcaag gaggtacctt tgggatacca cacacccata tcgggtgtac 120  
ccatcaagta tttaatggtc cttgaaacct gccaaatcag aggcttggaa gcctgttata 180  
tttaaagagg tacctttggg ataccacaaa cctacattgg ctgtaccctt aaggtattta 240  
atggtccttc taactgcttg ttaatgagat tccttacgat tcgactgata tcttacacat 300  
aagagaacac ctagcatgat atccgatcta cttgttagtac gtagagagtg atccaatcta 360

cctatatatt tgn

373

<210> 32843  
<211> 126  
<212> DNA  
<213> Glycine max

<400> 32843

acaaacatta tgacctcctg caaaatcacc ctgatggaga tcacctaatt aatggctacc 60  
ctcacacaca acgcgctgtc ttcttcaa at gtctggccat aacatcatcc tcacaatcac 120  
acacac 126

<210> 32844  
<211> 392  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32844

agcttatga taaaatgaaac caaccttgta acatgatgta ttgcatttat ttccatcatt 60  
acatagcatt ttgaccaaaa ttacattgc atatttgca tttaagcctt agtcttaact 120  
tgttttcatt gttttccct tcttttagaa ctgttatgc gtgttttg ttgttagcat 180  
aagtttggg cttggaaaca ctcaagtcat tggaagacat caaggaatgt agccaagagt 240  
ttttaaggc caatgggtga attgaaaaca atttggaga gtctggaca tctcatggcc 300  
tatgagatcc actgtttnta aacttgtaaa tctttagat catctcaagg tcgtgagttg 360  
catctcacac atgtgaagtc gacagcataa ca 392

<210> 32845  
<211> 386  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32845

agagcgtatc ttanacncnc tttatataac tagaggacat ttgccctaa tctattgcag 60  
gggttgctt ttgtggactg gcggggactt gccgagcgct ctaaggttct cttccctct 120  
gcgtataatt aagagtcacg cttttgatt gtttactgcc tccatataat tcttcgtaag 180

tataatctag tcataaaata tttcaaaaat actgggatat atttaacatc aggcatgtgg 240  
gacttattca ggttaacgtct ttgagaaaaa ctatggtgtt ttattgaaag atttcaagg 300  
aagatggaat ctacatgcta acgcttattg atttgggtga gatccaatac atccacgtac 360  
taattgcctc gttgatactt aaatcg 386

<210> 32846  
<211> 239  
<212> DNA  
<213> Glycine max

<400> 32846

ttccatcatt acatagcatt gtgaccaaga tttacattgc atatattgca tttaggcctt 60  
aatattaact tgtcttcatt gtgtccccct tctatttagaa ctcgttatgc gtgtgttttg 120  
tggtaacat acgttttggg cttggaaaca ctctagccat aggaagacat ctaggaatgt 180  
atccaagagt tttaggacc aatgggtgaa tgaaaacaat tgggagagac tgaacatct 239

<210> 32847  
<211> 355  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32847

aaaagagagc aaaaagacaa caacaaaaca acagagaaaa cccgggggan naaaggggcg 60  
actgaccrna anaaanaccg aaaaaggaac aaaccaaagg atgttaaaaa aggccccacc 120  
ggggggagac aaacgaaacc cagaaaaaaa ggggaaaaca aaagggaaaa aagaaaggcc 180  
gacaacacac gaaaaaagaa aaagggaaaa cgggagaaac tcaaaaacta aaaaaagcga 240  
aagagacaca gcaccaacaa agcacaaaaga cagctgacgg aagagaacca ggcgaaacga 300  
aaggcaaaag ggaacgccag accagaaaaac gaagtaaaaaa gaaagcaaca cgaaa 355

<210> 32848  
<211> 302  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32848

tcactaaagc ggtgatccat ctccacacat attttatcaa tagcaacata naaaatctct 60  
gcacggtaat gatgaagaat agtgatagtc ctccccttctg ctcttgaacg accccgaact 120  
ggtatttcgt catccatatt tggtaccaga atactnttag caacacaaaa tccttggaca 180  
tcggcaaaaa aattattcca gccactctct ctcattgtgc ccaaccgagc tttgacaaca 240  
tcaactaatt ccatggcatt cacaatatta agatcttntc tttgcaatat atttgaaagc 300  
tc 302

<210> 32849  
<211> 124  
<212> DNA  
<213> Glycine max

<400> 32849  
tgaatatata tatatatgaa agcttttgt gaaatcctta agctttaaaa gaagtaacca 60  
tgatagatgg actctgttat cagttatgtg tataagggga cccaaacaga acacttgtta 120  
cgat 124

<210> 32850  
<211> 178  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32850  
taagtattaa atggcagcgt caaggagatc aaaatacaac ttatttcac aaattagcac 60  
atattatgca tgtagctaaag aagatgtcag ttcttcaaag tggggatgtt atgatgaaat 120  
cccaagaagc tctggatgtg cttggctgtt tctcgtatat ntatggaga caataact 178

<210> 32851  
<211> 285  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32851  
ttttcttcat ggaaacaatt tttccaagca aattcgatag agagagaagt tcctaagggg 60  
ttgaaccctt tntcaacttca cttctcccc tatttataga caaaaggcgc agaagacgac 120

gttagtctct acgtgctatc atgctntgag tcttagagat agcanaagaa agttaaaag 180  
tgcgggacca aatggttccc gcatgtcattc gggcccgccg cctctggatg acanaaggcg 240  
cagaagagga cgtagtctc tgcatgctat catgctttga gtctt 285

<210> 32852  
<211> 298  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32852

tttcttgta gaggtaaaac ttcaaaacct tgccattntt tctttcatct tcttattcct 60  
ttaacaaggt tcattatgag tcttgattta ggcatgttca cgttggttt ttgttacttg 120  
gtgatatatg atttctatca atacttctt gcatgtcatt ataactatca tatntagata 180  
gctntttcat tacagaggca atgtagttt ggaacatcaa ttttaatggt tcctcttgg 240  
gttgcctat gttgtgtcan cgttAACGT tagattaana attaagccca attatata 298

<210> 32853  
<211> 273  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32853

gggccttcc aagtggagg cttggagga aagaggtatc cctatgttgt tgtggatgat 60  
ttctccagat ttacctgggt caactntatc agagagaaat cagacaccct ttgagtattc 120  
aaagagttga gtctaagact tcaaagagaa naagactgtg tcatcaagag aattaggagt 180  
gaccatggca gagagttga aaacagcaag tntactgaat tctgcacatc tgaaggcatc 240  
actcatgang tctctgcacc atcacaccac aac 273

<210> 32854  
<211> 277  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32854

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aggaagaaga tccaggtgaa ccaccttcac ctctaccata acaacaagat caagaactag 120  
catcaccaga gtttactcca agacgagtaa gatcttggt ggacatgtat ganacctgta 180  
acttggtcat acttgaacct ggaagctctg aagaagcgtc aaaggcaggaa gtatgggtca 240  
aggcataatgg agaagagata canatgatcg agaaaaaa 277

<210> 32855  
<211> 398  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32855

tgtcttttc accaagagag tgccttggat aagaagctta gagaggaaac ttcaatggag 60  
gaagataatg agagagagan agtggcatga aaaattgaag gaagaaaggg agagaggttg 120  
aactttaag ttgtctcac aagactctca ttcatcanag ttgtgacaag tgttacacat 180  
gcttctattt atagcctang tcactaacta aatgaaattc acttgtctt cattntatgt 240  
gaaactaaga agaatattcc aaggatatgt canaggcatc ttagcatatt ccaagaatat 300  
gccaaaggca tcttaatata ttctctttag atgtcacaag aataaaaaggt gtgactctag 360  
cacatggaaa aggaatatgt cacaagaata ttctaaag 398

<210> 32856  
<211> 192  
<212> DNA  
<213> Glycine max

<400> 32856

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atccaggtga accaccttca cctctaccat aacaacaaga tcaagaacta gcatcaccag 120  
agtttactcc aagacgagta agatcttggt tggacatgtt taaaacctgt aacttggtca 180  
tacttgaacc tg 192

<210> 32857  
<211> 255  
<212> DNA  
<213> Glycine max

<400> 32857  
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caagctttgg tggaaaggaag tattatacca aaattgagcc caaggttagca tagtaaccc 120  
actcatagga tggatcaaata caaaggcacct tagatacatc tcaagggtct tattaagatt 180  
ctcagtcagg ccattggatt gagggtgata tgaagagctc atggccaaatg ttgtgccttg 240  
agctttgaat aattg 255

<210> 32858  
<211> 267  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32858  
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tgaggaagtg ttgaagggtg aaacttcctg ctnttattgt tgaccacaga gtggtaacctg 120  
gagatatgtc gcgggggtca ggagaccttg nggacgtcag gtggggtgct attgccc 180  
accaagctt accaatcccg acccaacccg ggcatagtcg gtcagtgaga acctgtgatg 240  
tacctaaaca ggcgagctcc tggcagt 267

<210> 32859  
<211> 384  
<212> DNA  
<213> Glycine max  
<400> 32859  
tactcagctt gtaaagaact tagaaaaatc aagaacaaac ttgttcgctc atcggtcg 60  
tgtttgatat ccactcgaca aggtttgaag taaaggaaac cttcaatcct ataacgcaac 120  
gtggcggaca aaagtggca gttaacttga atgaccttta ttgtcaatgc ggaaggatt 180  
ctgcgcttca ctatccatgt tcacacatta ttgcaacttg tggttacgtg agcatgaact 240  
actaccaata tatacatgtt gtttacacga atgagcacat cttataagca tactccgcac 300  
agtgggtggcc tcttggaaat gaagcggcaa ttcccttc tggatggca tggacactaa 360  
tccccctgacc caactacaat tcgt 384

<210> 32860  
<211> 268  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32860

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gcccctactt tcgaggggca gctcccacct tatgacgact atctcgga agacgatgag 120  
gaaggagata cccatctcag tcccctgctc cacctcanag attcgtcccc ccatgaacta 180  
ccccaaaccaa acatagtccg ccatattccg gcttcaccca cacccgtaaa agaatctgtt 240  
cccttcgtgg aagataaggg aaagattg 268

<210> 32861  
<211> 469  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32861

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cggttagaga aacaagttt tggtttacct tggaaatcctt aacctaagtg gaggtggcca 120  
cagggatgg tggtttatg cgcccttgtt ggatgaagaa agcctgggtgc accattcg 180  
ccgaacggca cctaataaca catgtatgg gtacccatt attcttacag cctgaaatga 240  
agaagtggtg gagggttgaa ctccttctt ttattggta ccacagaatg gtaccttgag 300  
atatgtcgcg ggggtcagga gacccttggg acgtcatgtg ggggtctatt tgccaaacca 360  
acttgaccat cccgacccac cggcattag tcgtcatgaa acctgtatg tacctagcgg 420  
cgagctctgc ngtcacagat naaggataca gaccaagca agatgctgg 469

<210> 32862  
<211> 298  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32862

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acgttaaatt gacttggttc attgtggct gtagctgtct ctcgacttga ttcaagattg 120  
gattcaccac acggaagcac tgctgtgttc gggacaccac tcagcatttc taagatttt 180  
ccttaccaac ctctccatgg atagatggag ctcanaagtgg taattccatat catttccctt 240  
ctctgtgctc tggttttca tataataaag tgattcttgc ttgatgaatt ctctaattc 298

<210> 32863  
<211> 340  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32863

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tattctacca ctttatatgg aggttcacat tatgctaattg ctttcattca tgagtaattt 120  
ttagctcatg ctagaaactc ggcgtagtaa ctaccctacg gatatcatca taaggataaa 180  
tatcttcttc tgagaactac taaagtccaca tatatatccca tttaaaacta tgctttgacc 240  
tttcttgtt agctggttcc tatcacccca caaattaacc gaatcaatag aaattatcta 300  
tatttctct ttc当地atggc ctactatccc agaacaatgt 340

<210> 32864  
<211> 330  
<212> DNA  
<213> Glycine max  
  
<400> 32864

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cagaattcat aaatctcaca aattctctct ctctctctct ctctctctcgctatcttt 120  
ctcttttga ttatccttgt ctaatttggt atccagagcc aaaaagatcc ttcgatggca 180  
gaatctcctc ctccctcctc tgctactcct ttctcttcat cgtcagcggtt ctcgcacttg 240  
atttctgaga agctcgactg attgaacttc ttgctgtgaa agcaacaagt agaaccagtg 300  
atcaaagcgc atcaactaca ccgttacttg 330

<210> 32865  
<211> 329  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32865

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acctactgaa ccaagaaccg ctgtgataca acaaattgaa atgccaaac tgaaaatgca 180  
tgtttgcc agtggaaata ctagaatcag tcaaaagggtt aaaatagctc ttaatccaa 240  
ggatcgatcc taatgactga gttactgcct gcacaagcaa ttaacttta atcatgtgat 300  
atcataggac taaatacggag actgtatag 329

<210> 32866

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32866

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attaacttgg gtccctgtct tcattttttaa gtccact gtgcaaagtt gtttcaagtt 120  
tggctttgg caagtgcgta caaagatatt catgaccgc tgattaatag gaaagattca 180  
tcacctatag gatatgagga gactctnggt gtactgctaa atagctgatt tcttaatatg 240  
atgcaaggct aactcaatga tgtctactcc aatatcaatg atatacagtc ttggaaattg 300  
tgggttctg ctctaaaaaa ttcagatatt gaaagttcta tttccttaat atcttggttc 360  
tatagag 367

<210> 32867

<211> 475

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32867

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ctnannncnnnc ngtcctanna tgaggganna gnaggaggat gcnnaaatat cttttgtac 120  
aaacacacgaa gacaccgtgg tggggcgcct aggtgccagt tttccttagga aaatggcgtt 180

cacacacacctt ttcacacatg tttactgatt aaaattataa aatcgtaat aaatcttta 240  
aactacctgg caattataaa gaaatggtcc aaaaaaaaata ttaaaaagtt tgttcctata 300  
aatacagaat aatctttgat tattgacaaa tgaggataga aatcctgagt tgaatttctt 360  
ttttccaaat ttaaaacaag caagttgtt acctcaatgc tttaatggc taaggggtgt 420  
gggaaggaat taaaagatct tatgccaata caagagggtt gatTTTcaa acatc 475

<210> 32868  
<211> 499  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32868

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ggacctgaag gattgcagcc tatactanat ctttcttaan ccacacacac actgagcaag 120  
tagtcatatt cagtcatac ttccaatcga tcagtcag tatgatgcat gcacctaacc 180  
tcaactctca tatgcaatgt gttaccatcc ccaaaggata tagccctaag cgtgtccata 240  
tgacactctc acttangaaa actangcaag tagtgtttag gtcacccggt cgtgtacagg 300  
taacttcccc ccccccacag tgatcagcct gaatctcaag ggagttccaa accgagtgac 360  
atgcccccaa gtacaagtat tccttctcat gagaaactgc aagtacttac tggacaagtt 420  
tatactatcc ccatgtcata tgaagtatga tacatgtggc accatcaatg cactgaccag 480  
gataattaaa tattctaag 499

<210> 32869  
<211> 336  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32869

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gtcaaggca acatTTTCCG ttccaggGCC aaacccctc cctgtgcacc tcttgactc 120  
agtctccact accatatctc ttctctacat ggtcccataa tcttagctt cacactcagc 180  
aacatattaa cacacagctt acagcagcaa cagaaagcga actttgtaca acaccaaacc 240

agtttcacta gaccatacat tctcatcatt gtaacgtgac actcaattac ggagtgatca 300  
tacccttgga cgggactaca aacgcaaata ttgctc 336

<210> 32870  
<211> 500  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32870

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gannngata atagaaatgg tttttttttt tttnngaat accttgatat gggaggggn 120  
agtgggtaga ataaaatgag gatggtagg atataatgna angnatttgt gggatgaatg 180  
aaatttgga tgtgaanatt taaangatcg gaatatataa ttaaatgtga tggtattna 240  
tatttgtaga agatttagat aaggaaaggt tgaagggtga agagtnctgn tatgattgt 300  
gaggagaaag aggtggatgg agatgtgaat agaggagtgn gagaaataga agangtgatg 360  
tgtggtgata ttgaaaaaaaaa ataatttgta taataaaagaa gggattgggt attattggaa 420  
ttagtaaaat gtgtgtatgt aataagtgtatgt ggaagattaa tgtatata 480  
gtangaagat ggaagttgtg 500

<210> 32871  
<211> 337  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32871

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aaatgcctat ggccgcgtga gcgagagtct ccaaattttc acttctttc aagctttatt 120  
ctgagttct gcaataaata taactccaaa acattataaa ttcattcaatt aaaacaccta 180  
ctagacaaaa acttatatga tgccaaaatc ctacttattt acacaaaaag aagcaataaa 240  
aagagggaaa atctgacaat ctatattgac tcaattacag gtatacttgcacaaacagt 300  
tatcaaacac ccccaaattt aaagcttcgt tttccct 337

D  
E  
C  
O  
R  
A  
T  
I  
O  
N

<210> 32872  
<211> 158  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32872  
  
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cgtttcaccc tatttatcca aaataccana aatggataag aaaggatcat atgttgagtgc 120  
acagggtgag caagggaggg actaaaatgg gagccccca 158  
  
<210> 32873  
<211> 461  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32873  
  
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tacttttat cnncnccctt ncacttggct cttttctgc acaaatttat agctttcac 120  
tggtgatgat catgaaaggc ttaacncctc tatcaatccc aataatccac ttccaagcaa 180  
ggttgaaatc tgagtattgg gttataatt tccattttc attaattatg aatatgctta 240  
agactgaaaa aanaaatagg gtaggattc ctccctaat taaaactta atcacaaatt 300  
gtttgaatga tattcaaacc taaattgtaa tctcaatgaa tntaaggatt aatctgattg 360  
aactaactct aatgacattg attgaactct tacatcttga tcattctctn tagaatngtg 420  
ataatttac tgcattggtc tagtgaacta aaaatgatga g 461  
  
<210> 32874  
<211> 351  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32874  
  
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gtatataaca atgttataacc aaactctata tattctgttg tgttttgaat aggtgtgtat 120  
gagaatgatt ttttagacat gtattgtat tcttttagttg ttcttcattt ttctttcaca 180

taacagaccg ttccgaacga acataattat ttgaaatttg tatctctcat atttgattcc 240  
atttgcctca agtactangg cctgtgnntt gctgaaacta acataattgt tttgtttgct 300  
gatattttt tggaggccat tattgagaca taattaattg aagcattta c 351

<210> 32875  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32875

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gctcgtcatc gtgagacatc agaggctagt anttaataa tgtgtgtann gaaaaatcac 120  
caaatggata gagaaaaatc tataatcata catcttaggc aaataangc ttgctacccc 180  
caacaataat ggcttttga ttcatcttg acattgtgat tttgaaaata aaaacccaaa 240  
gttattaggc attttatcaa catacaactc ccactgatct gcaaaagaaa tatgagtaaa 300  
aatggaactg cgacaaaaac aataaagaag atgattctc ttatcattcc agaaagaaaa 360  
tgangaacca ctgcaacaat ttaattcct atggacatat acactatgaa attacagtaa 420  
ttaagttata aatgcgatga attataaaaag attcn 456

<210> 32876  
<211> 311  
<212> DNA  
<213> Glycine max

<400> 32876

gttgggtt ggcacattcc catcacaatt atttctgtt ggattaagtg gcctcagaat 60  
aattaagaaa ggggagttga attaattatg aacgtgtctt gactaattaa aaaattatcc 120  
ttcttaatgt tactagattc aattaggctt tactactaaa ctatgagaaa gtaaagaaca 180  
gaaacgataa cttagacaaa agtaaagcgg agataaaaag tacacaacgg atagataaag 240  
agtgttaggaa agaagaagac acacatcata ttatactgg ttcggcctca acccgtgcca 300  
acgtccaatc t 311

<210> 32877  
<211> 267

13694

<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32877  
  
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aatcataaca tcttggagcc atagttgacc taagtgaaat ataaaaaagct tcacacttaa 120  
tgagtgacga ctccactttg tgcaatctat gctatcgagt agcccactta tctaataaaat 180  
ttgttgtgca aaggatatgg ccagattgct tgaagaacta caacaactat atcagggagg 240  
catttcaact tagaagtggaa acaaaaaa 267  
  
<210> 32878  
<211> 373  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32878  
  
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tatatgctgg gaacttaggaa atcctacttt tcaagtcttt tttaaatgta tttatatgag 120  
aatttaacat taatatttta aaaaaaaaaattt caagactcca taggaactac aagagaaaaaa 180  
aatttccgt gagaggaatc aagaacaggg atggngagtg aggttagtatt ccccgccctg 240  
ttgacatccc tacattgaac taaagtgata aaaaaagtaa gattataaat aagagtacat 300  
ttataaaagat actntatact ttgggtttct tatgttacac aactcataaa gtatacacat 360  
atgttaaatg atg 373  
  
<210> 32879  
<211> 198  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32879  
  
tgtatcgaag gacaatggat actattatgc gcagctgcag atcatgnnga aaggaaatng 60  
ttggaccaac gttccaagta cagctcaattt ttagaggatc actaacactc gacaacatga 120  
tcgactaatac atgatgtatc gaactatgta ctactgttac actatccatg caactcagta 180

caagtcacga aactatgt

198

<210> 32880  
<211> 522  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32880

agggtacgt ttgcatgaga tacancgcga attcattnac tcgcnccccg aagcatcctc 60  
taggagtgcga cctgcagagc ttgcaagcct ctanccatt caagaataaa ccagcgcatt 120  
ggtgatggac tgtgaaaggt ttgaaaacct taactcctt aaagcgctt aatgcaatcn 180  
aacactttc agcaaaaaaa gaaaatccat atctatgaaa cttagggtcg ataatnggaa 240  
tgagaatgag aaaacggttt gagtaccgt atcgtgctgt ttcttcggaa agacaaccag 300  
tgtgcgaaga aagataangg agnnggtgga attgggtcatt gtggatgcgc ctcgggtggct 360  
ccggaacgat gaagctctt aagccgaagt ggaggtggat gaacccttac gtttcttga 420  
tgattctacc atatgatngg agtttgcaa atggaatcgg tganataaac gaaaatgaaa 480  
aagaagatat tgcaagtaccg agtcgattga tgagaaatga tn 522

<210> 32881  
<211> 385  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32881

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atttattttt ttaggcctta cctgggata aacaacctat gctgatgtac cgaattgtgc 120  
accaaagtac cccaaaggca aagtaagccc atttgtctcc aaaggtgatc ctaggtggca 180  
atgggcctta tacaccttga taagcccttt aatgataacc caaacatatt ttggcaccca 240  
cttacaagat gggcctttt aacaactaac acttaaattt aataagtgtg catttatctc 300  
tcattggcat gatcactaca acttgacttc tctgaactgg ctgatcaata tatgacacac 360  
tgtgagagct ctgcttcttgc ttacn 385

<210> 32882

<211> 440  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32882

aggcaggttt gctgagatcc ccnnnnctt actcaacact acangggan ggnaaggggg 60  
gacataacttc cccnnnnnggc caacacaccc cgagcggcgg gggatatac gttcttcaac 120  
acggtccaat cnccgtccca acaaattacg catatgaaaa attggtaat tggataccaa 180  
caacgtggtc aaaccggcc tcaatttaca tattccggtg cgccgatccc ccctgcttc 240  
tcggctctct gataccctga aaagaaaaccc aactaaatcc gttgttcaact attctcccc 300  
gccggttatt ttcttgcttc cggctgtctc attaaacggg caaggcgata gcctcgatt 360  
catgacaacg ttatgcctgt tagtgttcca tgagtatttgc acatccttat catgttgcgt 420  
tttataaaact gcattatgca 440

<210> 32883  
<211> 353  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32883

agggggagag gtgaagtaaa aaagggttca cccccttagg cacttcttctt tctctctcg 60  
aatagctgag gaaaattagt tccgtgaaga aaatccaagc cgaggtgctt ccgtaacgtt 120  
tccgtgagta attatgcgaa gattctcgac cggttcttcaa gattcatcgat ccgttcttcg 180  
ttttcttcag tcttcaacgg gtaagtacctt caaaccaagc ttttcaatttcaatttgc 240  
cccggtgg tccacattnt gtttcatgtt ttttattct ttttnttatt tactttntt 300  
acccactntt gacgtgctta agccattttt ntaagtcatt tctcgcttaa tct 353

<210> 32884  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32884

cgggcacacg atttgattn gctannntnn naccccacnc nnnnaacaaa gcgggggnnn 60

nanacagggga gggngcacac tcctttttt taaaananac gnnncncncgg gggggcggga 120  
gagaaacaaa ccccccacaa cccgggaggg agccaaaacc acccgcgcg tacaaaagga 180  
cttccacaac cttgggggtg ggccccgcct ggaagaaggg agcctccct accttcaagc 240  
tcaaccctgg gtcttcaaac gacaatccca gaaaaccacc cctacacaga ggatcacgtg 300  
gccgaactac catttacgca ctcaagtaag ggactctgac cctaaaagac tgtcaaacga 360  
gaccttcacc ctcgtgtgaa tccccattg gagcccggtg ctcagtattg catggcgata 420  
ttctgccacc accactacct acatttacca tccatcaccn 460

<210> 32885  
<211> 254  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32885

tgttgcccta aattgacctg taatccagtt ataaataaga gtatacatgt gtgatactac 60  
acccaattac aataaaaacct ttctatactt ataatatcga aataatgcan atatggaaat 120  
gtgtaaagtt tctaattgcga gaaatatggg attgactnta ttctttgtat ccttaattaa 180  
atcctatctt gattataaaa ataaggatta catgtgtggg tattacacac atcagaaaac 240  
acttcgttca cact 254

<210> 32886  
<211> 401  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32886

cggttgcgag tgagttctac atncatccag ctgcgatctg gcttgtggca atgatcaatg 60  
gttttttaaa ggcaacgggc ccagggtggg aaagcaaaaa ttgggcaata aaaagggaga 120  
aataaggaa accctgctta aaaggcttc ttatcggtt atttcccaa cccacattgt 180  
ttaattcaca attacaaccc ttgtcctacc tacacccata ttcccaaagg cttcctatt 240  
caacacaaac ttggttacca cttcatgat gaacacactt tacaccaacc aaacatcacc 300  
aagaatgatt ttgatcgaaa agctgtgatt cacccaaatt cgtgtatatg ctactgtcct 360

attactgata tgcatgtagt ataacctgca nggtctaact n

401

<210> 32887  
<211> 413  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32887

aggacgttaa agactgagac tacagtnca atnctnccna cccacacagg tgaaggagaa 60  
cgcagaccgt tatgtcgca nnntnngctgg ccttgtgacc taggttgat tacactctaa 120  
ccacttaaag gtctgcttaa tataggaatc caagggaaaa acaattaaat aaggtAACAC 180  
cacactatga aacacattgc aacatataat taatatgtga agtgaCTT cttccatcca 240  
taacaatgga ttgatagtgt aatctgactc tagttctct gaattgaata ctaagtgcTT 300  
gatcctatgt gatatatata tgagtgagca tgatgctact cactgttAA cctgaatttA 360  
tcagggtgaa atacactaag acacatgagc tgagatatgg agtacactat ctg 413

<210> 32888  
<211> 349  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32888

gcctcatatt aaatgatgca tgattgatta atgatagaaa tctataagga gacactttac 60  
ttaaggaacc gagattcgag tacttctact cacattcctt atagttggg ggcattgtta 120  
ctgttcaatc ctgggagcct tcttttagaa tcgcataacc gagtaatgtaa gaaattcaca 180  
aagagatgct ccacttaaag atcaaggatt gagtgatgca ctcataatcaa cttctcagca 240  
tgcttanaac ttgaggggag ggggggtggatctgccctg caggccccta aaaaggagat 300  
cttgatctca acttgatcgc attggacctg gccccatacg agaccacccg 349

<210> 32889  
<211> 197  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 32889

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tagcctcctt ctacatggaa gggccagctt tagcctggtt ccaatggctt tcccgcaacc 120  
accaaactcac aacctgngct agttntctcg aagccattga ggctcgcttt tctcacttcc 180  
catatgaaga cccactg 197

<210> 32890  
<211> 244  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32890

agcatttgcg aaattcagga catgccggaaa aaaaacccaaa aaatattgt gcacaatcgt 60  
aagttcgtc acacaccgaa atcaatggaa catcgatgcattttaaggagg tccgtacatc 120  
cgtatcaaa agggatgatt atgtatcgca nggtcgatata ttcnagaagaa acagtatcgt 180  
acaaattcta gttcgtact tacaaaaaaag atccccaaaaa agcagagggg tgtcttataa 240  
atgg 244

<210> 32891  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32891

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acttgaggca tgcattctct tantttggct ggnnaganna atgggctggg ggggtggaaat 120  
atatttaatt ttatcctcctt aaataagtgg ctcaataaaaa tgtctaacctt gatgtattta 180  
ccaaatttttta cctctccatg atgggttctt gtcctatcaa cctctataac ctcgggctaa 240  
gttggtttat ataatttgct tctttagttaa tctcatcggt tccttaaaaaa tgcttacact 300  
atttagttaac tccttgntgt tagtcttggg atctattcat ggtgttaattt cttgtacgag 360  
tttaataactt cttgtactttt aattaaacctt ttatgttat gcagagatga tatanaatgt 420  
ggcaatcatg ttttttttttgc tcccttgcgg 450

<210> 32892  
<211> 471  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32892

cggggcaggt tctnatgtac nctngacac nttnactc angctacta gactcggtt 60  
ccccctaaaa gaagngcggt tagtttgtn gnnnnnnnng ancnnnnngg ggggggggga 120  
ggcggaaaaa ngncgcaaac caccaagggn anaacgcacgg agaaacccac gctacgaccg 180  
gcattcccat acagcgaagn ancccaccca cccaacaatg gcagtactta gccaataaca 240  
acccttggtc ttacctacca cccatttatt cacgaaggcc attcctatgt gcaacacaaa 300  
gcttgcttag cgcaatttcca atgatgaaca ccacctttg tcacaaccca aagctcaacc 360  
aagaaagaat tttgctcgaa aagctcgtga attacccaa atttcggtgt ctatgctact 420  
tgtccctatc tactgaaatg catggggca tacccggcg ggggctaccc c 471

<210> 32893  
<211> 217  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32893

ttttaagta actctccaaa aataataatt aattttggca aaaatataag gatatacaat 60  
gtgaattaac atgattattt catatttaag gtcagatttgc aatcttnact atttgattan 120  
agatcaatat cactttcttt aattattnta tcatttaatc cctgatataat atgtactatn 180  
taacccttac tatataaaat ttacttaagt ctcattt 217

<210> 32894  
<211> 108  
<212> DNA  
<213> Glycine max

<400> 32894

ccctatagat ctgtccctct ttggtttgc ctattcacta ggcctgatta ggccccagct 60  
tttaagtttag tacccttca aatttgcttc tgcaagctttt tttctact 108

<210> 32895  
<211> 467  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32895

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gaccctttg tttgnntnan gaactctaca cgacggagtc tggtgcttgc acctgattaa 120  
cagggctaga taactatagt gctagacata gtgtgcacgc gtctagttc tatgtatgt 180  
atcttataaa ggagtataaa tgacgctaac tacaacaaga gacatctgcg aacggagctt 240  
aatgtaaatt attccaaact cacgagacat cagtcgtggt atttttgtc cttcacatat 300  
aacacgtgaa taatgtcata tagagaacaa ccctagttgc atcaagtatc ttctgtggag 360  
gacgcaacgc ttatacttat ttgtattcgc attaaaatgt tcatgttac tgcctatga 420  
tgcaactaaa tataccttcg tttcgaatcg tgatgctcaa tcttttgc 467

<210> 32896  
<211> 236  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32896

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catgagggtga ctaatgtaaag aaatttatttt aatcttggag agggttgtgt taggctttcg 120  
acagccaaacg taaaactnta tcgaatctct atgacatgga tcaattacgt aataatgtga 180  
atgcttaggtc gttgccccga aaccaccgcg ctgtatggct cgagtacagt gtcaaa 236

<210> 32897  
<211> 473  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32897

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ctgagggatt gcatagcttt ggttattccg ggaaccccct ttagtggac acccgtccac 120

cctaaggcac ccacccatag ggaacctccc caagttccaa ctccgaacac gactcgaccg 180  
ggcggtattt ccacacgaca ggaacttcc ctccgaggcc tttgccggat tcaccccgct 240  
ccaatgacgt acgaagatct tctaccattc ctcatcgcca atcatttggc cgtggtaact 300  
tcccgaaggg tnctcgaacc cccttccccg aagtggtatg accctaatgc aacttgcaag 360  
taccatgggg gtgatccggn gcattccgtc gaaaatgctg gggcttanta caangatcac 420  
attnaatgga tgctngatgc tgactttcac aagatcggtc aatgttaggac can 473

<210> 32898  
<211> 449  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32898

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ttttttcttg tgccagccta ccttattccg aaggtcgggt tgatgttatt ctaaagcctt 120  
tgatggatga tttggagaag ttatggagtc gtgtttgac acatgatgtg ttcagggagc 180  
caaatttgat gagggacttt aatggactcc cttaactattt catggtgtct gggtgtggaa 240  
ctcatgataa attttttgtt ccgcatttgat ggagcataag aagttgttac attacaatat 300  
gagagggaaa agtgcattt gactcgattt gttagttctt accagcattc attctttagg 360  
actaacaaaa accttagaaa ggggagaaga tatgatagct ccacctagg gacacctatc 420  
agtgtgcattt agtaggaattt gcaaaagtgc 449

<210> 32899  
<211> 200  
<212> DNA  
<213> Glycine max  
  
<400> 32899

gctaaaatta ggggtgagg tcctttttt aacatcaaattt catgtggagt ggtgaaattt 60  
gtgtggacca aaaaaaaagtgtt attgaatgtt ctttctcgaa actgttgata agctcaaaat 120  
attgaatttg tttttttttt ttgtttttt ctgttatgtt ctgttatgtt 180  
gtatgtaaat cccttaacatc 200

<210> 32900  
<211> 340  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32900

aggctgcttg ctgtatcagg attatataac aggggacatg gtatccgtaa tataacattt 60  
tccgtngaca gcctaccctg gggtgtccta atgcatctt ttttttacc accacaaacc 120  
agtctgggtg gaatctggtt gcaccagga aacagacata aaatggaga acgagaaaaa 180  
aaggaaacca caaatgcga acctacacct ctacatatat gcctgcatat ttgatcaatg 240  
tacactacac gtttcctat tatttatgtc tacctgctca ctggattaat cggaatgtac 300  
tacactacta ctgtgacgca cgcatgatac ggatttgtgt 340

<210> 32901  
<211> 376  
<212> DNA  
<213> Glycine max

<400> 32901

agcatatttt agaaaacctt cctggagaac gctctggag aaaccttcct ggaaaaccta 60  
aacctaacct ccacacaccc cttatattag ttaagctcac ccccatacca aaatacatga 120  
aaatataaaa aaaagtccct attacaatga ctactcaaaa tgccctgaaa tacaaggcta 180  
aaaccttata ctactagaat ggccaaaata caaggccaa aagaagtaaa aaccaattct 240  
aacatttaca aagaagaatg gatccaacct tgacccatgg gctcaaaaat ctaccctaag 300  
gttcatgaga accctatggc cttcttagt agctctagcc caagcctttt ggagtcttct 360  
atccaaatacc cttggg 376

<210> 32902  
<211> 437  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32902

agggtcagta agctgatatac gaacttanta attnagctaa ccactccgaa ggggnntta 60

tctaggAAC cagccattc gganaacCTG gccaggcGGG ggggcTTATC aacttgACAC 120  
ttcatttGGG caggGctACT accCCacACA caaatgACCT CCTCCGACCG gggataatCT 180  
cctcgAACCT ataaACTTAC tttACCCGCA gaaggCTCAA gcTTGGGGG cttatttATT 240  
ggttattGgt caacaAGTAC atgtgtATTG atCCTGAact CCTTCACAC ttaACCCACA 300  
aatgacaAAAG cgGGTnCTTT tgAAAactAT tCCCAAATGG gTTTTGTCA taACCTCGGA 360  
tggagTTAAT attgattaAC caccaggATT tCCCCCAcG AAAAAGATAAT ttatGGGAGT 420  
atTTgagaAG aaACCCt 437

<210> 32903  
<211> 294  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32903

atTTaggATT ccattttcta gtaccgtggc caaaatgaac tcctgCTTC atcatCTtT 60  
ccaagaggATT gttccaaATAT ctTntgtca ttTtatTTA tccccacACT ttTctttcat 120  
ttcanaatcg anattctata aatttttga aatgaaAGAA agagacCCGG tataCTgaaa 180  
tagaaataAG tgTTccaaAG gaacCTtCTC ttctaccgaa gattggcTT tgataaaatga 240  
tcnngGCCat ttTtctattt aataatTAAT atgaatattc tctttatttAT ctTT 294

<210> 32904  
<211> 431  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32904

cggggacagg ttTcagtAGC ctacgtgaca cttaCTTANT caagcatgac cgggnGNGAG 60  
angCTTAGAG gaaacACTTC ctCnTTGnnN nCCnCaCgC cggngaAGCG ggCCAGTATT 120  
tatCTTccta acccaaAGC catgtggTca nggtactaat cgcCTGCCTT ggcagaATCT 180  
attgtggac attcaaggTG acacCCAGGT tctccGCGGA tGtgattCTA gtgtgcATTc 240  
tctccCTGTT caacagTTG cagttgcATG tcctcCTTCA aaatTTGAG agtATCCTGA 300  
ctggTctata ctcgggcGTC tcctcactGG agtcactGT cacCTCTACG tctgaatgAA 360

ttgggaagga tttacaatgt tgccgggtgc ggcacattgc ccgggggagg ctaagggca 420  
agcacagcaa c 431

<210> 32905  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32905

agggttgan cttgttaccg cnntcaatct agcngtcact ctgctgcgcc tgttaaata 60  
acttttatt tttggaccag ncaccttagg ccccgatgg gtgaattcag cctttctga 120  
aatcatttt ggtggggtt gttggccaagg tggcccctt tcatgccaa actgctttgg 180  
gtgatagggc gccttttgt tactgggtgt gggtaaggag aggttgtcat tgctgataat 240  
gacttggtg gtggcgaaa ctgctgtta gaatggaatc acacatgggt tcttcctctt 300  
ctcacctct tcatttgc cagttttt gcatttatca aaacatgatg atccgattt 360  
ctctttaaa cccacttcga tcatttgca ggaataccca atcacaaagc ttgagg 416

<210> 32906  
<211> 501  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32906

ncggatgtg cttttgcta gngtatctga cactatccct actttactca agctcgctct 60  
aatgtacatt gatgtctgta tataatggacg tcgctttgc aatnttgctt aaaaggagc 120  
gtccactggta taaacctacc tttccaatgg tttccttcc cagaattggc cttgaggaag 180  
cttgcctcaa agatgtgcag gagagaccaa ggcggccgaa ggaacttagtt ccggccccgga 240  
gtacgacagt caccgctta tgagcgttgt acaccagcag cgcttcgaag ccatcaaggg 300  
atggtcgttt ctccgggagc gacgcgtnc a gctcanggac gacgagtata ctgatttcca 360  
tgaggagata tggcgccggc ggtggcacc actggttact cccatggcca agtttgatcc 420  
agaaatagtc cttgagttnt atgccaatgc gtggcaaca gaggaggcgt tgctgacat 480  
gagatcctgn gttatgggtc n 501

<210> 32907  
<211> 388  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32907  
  
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gagtacgtga gtcagttgg aggtggcaa cagggatgg tggttatat gtgatttg 120  
gatgtggaga atcgaaaaacc accatcgccc gaccgccacc tagtaccaca tgtgatggg 180  
acccataat ccgacaagct tgaaatgang aagtgttagaa cggtgagact tcttgcttt 240  
attcggttgcac cacagagtgg tgcctggaga tatgtcgcan gggtcaggag accttgnnga 300  
cgtcatgtgg ngtgctattt cccataacca agcttgaca atcccgaccc aacccgggca 360  
tagtcagtca gtgagaacct gtgttgta 388  
  
<210> 32908  
<211> 245  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32908  
  
aaaaccctta ctggcattag cctaaaaacc cttagccggc ttaacctaaa aattagcact 60  
ggaccgaggt ggatccaaaa aacccttagc taccatcgac taaaaatagc ctggctgatg 120  
tcngcaaaaa aaccttagtc gacgtcaacc gaaaatctgt agccgacatt ggctaaaata 180  
tcctagccaa gttgaccga aaaatcacta gctaataattt actaanaagt agctctaact 240  
aatgt 245  
  
<210> 32909  
<211> 434  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32909  
  
gctttcttga gtatntatt ggacattaaa aggtgtttat tgattnaacc gaaattggcc 60  
ccttcccaat ggtngtacct tcattttgcc ttcacaacac cgacgacgac gaccacttta 120

aaggtgacga acccacggcc caccctacga tgtcaatgct gatagaagga gagtgacact 180  
tacaaatgga aaaggggccc aaaggttcatcgat cggttcaag tgagtggaaat gagacaaggc 240  
ttgtagaagt aaaagggcac tgattggatc ctcacgtacg aaaaaaatng caagttgtct 300  
gataaggatg agtgcatttgc ttcttcngtc tgaccaagga atttaatttc aatgtaaat 360  
acaataaaat ttgatttcatcgat acttaacata aatagatatc tatatagata gataatttga 420  
aacaaaatca attn 434

<210> 32910  
<211> 381  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32910

atatatatat atatagatat gggttatatat atatatatat atatatatat atatataaaaa 60  
tataacccttc attattttta ggattttttt tggtaaaat gagaaaaaaga taaaaaccaa 120  
aactttctta atacaactat gtgatgcgaa aaaacatcta tagcaaagga gagaggaata 180  
tcacactcct caatgcacac gaacataatt taaaaaaang aatcagtcag atattagttg 240  
aagtgcata tcccaatttct atagcttgat aatntcagtc ttcaaaaaaa gcccggaaacg 300  
aatcacatca canatataat ttcaactccaa agctgataat ttattnat cattatttt 360  
tggtagcat gctacatatt n 381

<210> 32911  
<211> 403  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32911

cggggcgcgt agccctcgan nnccgtgacct taatcactca gcttgacacg ttggaaagaag 60  
tttgcgtt aaaaatatttattt ctctcaacc ttattcctta ggccggattc ttcccttaaa 120  
ttccccctcgaaaggttgcac ttacttaac cacaggtgct gtccaaacct attgcaagaa 180  
ggaaatcggc actttaataa cttctggaa ggccgttat ttcaaaactg ctcggaccgt 240  
cgacaatgga atgggtggata accaaaaat tagtaaaccg gtctaatggtt gcttgtaacg 300

tctgtttaaa gaatattatg accccttacc ttccatgggg tgtaaggagg ccccattgta 360  
aaaaaaaccca ctcttggtt tctgcctgga gaaaaataaaa aga 403

<210> 32912  
<211> 214  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32912

tccgtgataa aaaagtnttg attgtacttg atgatgtgga tagtttgat caattagata 60  
agtttgtga agcatgtaac tatgttagtc cagatagtaa acttattata acaacaagag 120  
ataggcattt gcttagaaaa gagttgggga cagacatgtc tatgaggtca aggcatggag 180  
ctttgccaa tctctggagc nttttagtt acat 214

<210> 32913  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32913

aaaanatgat gcctagctnn cctttgtata ntcgngngac aatnattaan nnagccttat 60  
accattaggn gagatggact acatgatcat ataggtctt ggctcggtta agaccaaatt 120  
tgggagatgt cttgtttatc ttttaccatt attcagaacc tnttcaagtt aacattatta 180  
aacttaata gatggaggga tgaaaaaatt ggagattca agtttaact tttgaagacc 240  
aagatgataa aatctatctt gagggtatat atataagggtt tacctcgatc ttaatgttt 300  
tctcatctct cctctacatg cgatctgatg cacttctatc tgtagccaa taatgcttaa 360  
ctctcttctg tgacaacang cctcatgata tattcaactt gcaagtaagt gggagataga 420  
ccgaatagat gcctactgac ttatTTACA ttttatgcag cca 463

<210> 32914  
<211> 341  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 32914

tcaactttga tcatttgaaa attaaatctt agatnnncaga gctctnttag agcacaaaaa 60  
ttcgtgctct tcttttcctc tcccttcatt catctttc ttccctccaag ctcttatcca 120  
tggccttccta tggtggtgag cttcttctag actcatcttc tcctcgaagt ggcatctcct 180  
ctctcttcat tctcgattct gctgccattc atcttgcaag aagcaaagga atccattgat 240  
gaagaagatc ctatgcctac aagctccaat ggagcttaca tcatggggga caaaggtata 300  
gtgctttac aactctctcc tccactactt gtatgaatat g 341

<210> 32915

<211> 491

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32915

acgggggcgg atgancccctt gtannnccnc nnnaatnaat tttactcaag ctaccangcc 60  
atgggnntng aagttaattt ataccatcct tttctttgga tttaaggaat atactatgga 120  
tcagtgtata tatcgaaagg tcagtggag taaggttatt tttctaattcc tgtatgtnga 180  
ggatatatna ctttgcact aatgatcttgc gtcttcttca tgagactaag aagtttttc 240  
tagtaacttt gaaatgaaga tactggtgag gcagctatgt gatagggata gaaatattct 300  
gaaatagatc acaaggatttgc tangcttgatc tcanaaagca tatataata aagtactana 360  
gagaattagg atggaaaagt gctgaacatc accccgtccg agttcagaaaa aggagacann 420  
nattagcctc gcacaatgtc ctacaaatga tctggaaatg aaaccaatgg aaacaatttg 480  
tatgcacatcat n 491

<210> 32916

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32916

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cctaaattcc attaaccaaa ccactttgtg tgaatgttagg atgtgatttg cttctctaaa 120

atttttatgg ggtatggtaa ccaatggtaa gtaataattt ggaaagtctc tcacccatt 180  
tccttccta atcacccaaac ccaccctatt acttccttgg gttctttan ttattaacca 240  
aaaaatcatt attgatattt aacatgtcat gattgttatg ctatacacat aacatatgag 300  
ctcttgatt ttaattaat gactgagant aactaattac cccttagagt gaatngctca 360  
ctacaaagga gctagatctt gtaggaattt aagcttaggt ctatacacct gtnnttaatt 420  
actntctgta ttaacan 437

<210> 32917  
<211> 337  
<212> DNA  
<213> Glycine max

<400> 32917

ctccaataaa cctcctgacc ttacagcaaa atcaacctca gcagtagaac aattatgacc 60  
tctccagcaa cagatacaat cccggatgga ggaatcaccc taatcccaga tggtctagcc 120  
ctcaacagca acaacaacag cctgctcctt ccctccaaaa tgctgctggc cccagtagac 180  
catacattcc tcttctaattt caacaacaac aacaacaacg acagcattt ctgagacaac 240  
aatccactat tgaggcccct cctcaacctt cattggaaaga atattgacgc aaatgacaat 300  
acagaacatg ccagttcagc atgagactat agccctc 337

<210> 32918  
<211> 476  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32918

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agnanaacct gtgaagccga cggttcgttg actcccgncata cataacaaaa cgcggaaattt 120  
aatgtgaact ctacccattt aaacgacata acttttactg gatgtctaat gagccccat 180  
attcgaacgc tcaaattgaa ggtgaacttc tagcaaattca aacgcccata ttctttact 240  
ccgatgtctg attgaggccc gtcataatatac gagacacccctc gaaatattgaa tggtaacat 300  
ctgaatgaat tcaaacgaca ataacccctt actcagatgt ctgatatagt ctcgtaatat 360  
atcgagatgc tccaaatttga atgttgaagc tctgagctaa tttaaacgac aacaactttt 420

tacacggatg tctgatttag tcctgtcata tatcgagatg ctccgaattt aatgtt 476

<210> 32919  
<211> 277  
<212> DNA  
<213> Glycine max

<400> 32919

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agatgttaca gaataaaata aagatgttcg gcgagattt tattaaaata tctaagaaat 120  
gtattgtatc ttctaaaatg tgataaaatat tcaaagtcag gaacctcgta ttttgggtca 180  
tgttctgtac caaacaatt tatattttgt tatgacctaa gttgatattt aataaactct 240  
tctgcacata tagattctat tattattaaa gttcata 277

<210> 32920  
<211> 422  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32920

cgaagttgac ttaaacnnnt ttatcttacg nagaaccnng ggnngagtgg ggaggttatt 60  
tttgggnagg agcccgcccc gggtaggaa aggaaaacaa aaccccccaga naccccccagg 120  
gaagaaatag ggtggctgct attcatactt atgatccact gctatattcc ttaattccac 180  
gatgttccaa gggaaatgct tgattggcc aagcgttcc acataattt gtggatttgt 240  
tccgggcttt tgtaccttca ttaagattct cgagtgtatgt atatcccttag agatctaata 300  
gcagttattt tttactagac gacacttga ttccaaaatt ttagattatg gagtgctaa 360  
actttcgag gagagaatat tgaaggaaac accaccagaa tagttggtagc atattaattt 420  
tn 422

<210> 32921  
<211> 280  
<212> DNA  
<213> Glycine max

<400> 32921

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tatgctcata tttaactaca ttgtggttat gcttaagatt ctgtgacatg aaactctgac 120  
ttccctttaa catccatttg gtttggttat atagataatt ttgcaccgtg taatttacca 180  
cctcttggaa gacataggat atttgataat agagagggcc cctgtgactt ctgaaacgca 240  
cgttgctggg caagcagaag tgctgaatat ctttgaatc 280

<210> 32922  
<211> 239  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32922

gcgaaaagagt atctagcgaa tactacccac agggggaaaaa gaaccttacn caaaaaaaaaag 60  
ggggagggaa gcacccacc gcccggaaac gaccacaccc aaaagagggc aaggccagca 120  
caagcaggcg caaacgacac acacaaaaaa cgcggaagcc aggcacacac gacggaaaac 180  
aacacaccaa aaaagcggac gcaaaaccaa caccggaaac gacccaacgg aacgcagag 239

<210> 32923  
<211> 539  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32923

nnnnccataa ggggaaggga tangccgnna nnntnnntngn ngacnnntnt actnnnnnnn 60  
cnnngcngna gtacnnanna gngnnganga gnngcactag cgatgagaga anactctacg 120  
ctcnntngn annnnnnnnn naannacgga aaggngcggg gagtgttca agagggaaacg 180  
gcccacccaa ccccccgacc acaaatngc gcacaggaaa cagggaaatcc acgcggcgg 240  
gaccatccaa caccaagaca gcaatggcac atggaccatt gacattggag gacccaacca 300  
cncaaaagga catcgaccc gtggaatggg cagcatgaac tcacaacaac taccctttgg 360  
gggagattac caagaggcta atcactactg tgccacctgc tagacgcttg aaccacaaca 420  
aatacgccag ctttatgacg ttaaaaagcg ctccctggagg cacctatatt tatgacccta 480  
cttgtaaaat tatctcctcg ctgattcaac tcggttataa aaattattcg ttaatctat 539

Glycine max

<210> 32924  
<211> 460  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32924  
  
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gagatgaccc atttttann nnaccgcccc aaaagggggg actcaacaaa ctcccacaaa 120  
aattaatggc gttagaatgg cctcaaaaaat agaacattca atttcgagcg tctccattat 180  
tacgggactc attacacatc cgagtaacaa agctattgtc ttttgaatta gcttagagct 240  
ttcaacaatc aatttccagc gtctcggttat ataacgggac tcaatcagac atccgagtaa 300  
aaagtcatcg gcgactgaat aggctcagag cttccacatt caatttctag cgtgacaata 360  
tgtgacgggc ctcaatcaga catccgagta aaaagctatt gacgttagaa ttgctcagag 420  
cttacacatc aaatgtcgac gactcgatta tgacaagaag 460  
  
<210> 32925  
<211> 405  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32925  
  
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gaaaattgct cgaacgnnga cccgaccaac gggggggagg agagcaagcc caccccgacg 120  
gggaaaacac accagacaga agacagacgc cgcgcacgag aagacgaccc agccagaaaa 180  
cgccacaaca accgaaagga aaaaaagaac ccaannnccc caaaggcgag aaccgagcgg 240  
acccacccccc cggaccacgg aaagccaccc gggccaggag ccngacccga acaaagcacc 300  
cacagagaaa caaacgcccgg aaagcggaca acccagagga aacccaacaa aaacgcccac 360  
ccccgacacc ccagacgcccgg ccccgagac aaacgacgaa aagcc 405  
  
<210> 32926  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32926

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acttctatat tggtcttgcc taggtgatac atcaattgaa aattatagtc tttcataaac 120  
tccatgtAAC atatttgtct tatgtacaaa caaatacttc caactcatga gatcagtcaa 180  
cacatcaacc tttgcttcag aaggataatg tcttcattt ttcaaaacaa atatcatcac 240  
aacaattcta gatcatgtgt aggttagtgt ctctcacaca tcttcaacta tcaagatgca 300  
tatgctataa ctttcctatg ttacacacca atatgcaact canaccttga taagagacat 360  
cat 363

<210> 32927  
<211> 358  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32927

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tggtttctt tcncnaangt cctggagatt gtgggggtc agaaccctcg gactaagcgg 120  
ggctattgcc aaccagctt ccaatccacc acccggtaa cgacggagaa cctgaagtcc 180  
taacagcgac tctgcaccac aataaagaaa cagacccaac acgtgctgtg tggggcact 240  
ggaataggaa aagagatggg ctcggatga taccaagtgg aatcatacag ctaaatgaga 300  
agagccaatg cttgaattat acccaggta acatacgctg aacaatcaga ccacgggg 358

<210> 32928  
<211> 367  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32928

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caacttcctc aanngaaacn cnngccgggg aggaaagaga ncannggacc cacccncca 120  
ccaacgnnga gcgcgaacca caacgagaac aagagagaga cnaccgccc cggaaaaaaa 180  
ccancaagan naggaaggaa gaggggccac caacagacgg gaaagaaggc cacaacgaag 240

accaggcaaaacccgg aagaaaaagc acccccacaag ngacagacaa agaagaaacc 300  
gccccacagca agagacaaag caccacaaac ccacaacaga ccgacaaccg gccaaaagga 360  
aaccacc 367

<210> 32929  
<211> 371  
<212> DNA  
<213> Glycine max

<400> 32929

tatcatttt tcttatacaa aaatgaagct gggaggccac ttgttaaaca agtggccaca 60  
aatatcttaa gaaggggggt tgaattaaca tattgcaaac tatttccca attaaaattt 120  
tattttaatt ctaatgcaag ttacaagttc ccttaaaaat gaactcttaa ataatgattc 180  
aaataaaaaca atctgaatat aaatgcacaa caataataaa taaaagattt taagggaa 240  
gaaagtgaaa actcagattt atactggttc ggccacacca ttgtgcctat gtcttagttcc 300  
taagcaaccc gcttgagagt ttcactatct tgtaaaatcc ctatacaagt tttgaacaca 360  
caaggacaat c 371

<210> 32930  
<211> 252  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32930

ctaataaggg aaatctattt tttttaaaa tatataacct tttttgttcg aataaaaacaa 60  
gaaaatatcc atttcaaca aaaatgaatt tccatagctt cagcnttgta gtaaactaga 120  
gcagtgagcc cgcaactctgc angacagcag aaacaaaaca tgaccccatt tctttgaaat 180  
gcaaaaagaa naaaaaatgc aacagtttt ggcacatgta acctttgagc tntgaccgga 240  
gaaatactta at 252

<210> 32931  
<211> 367  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32931

actaaacctg gggctgagga caagttaaa tatatcgaat cttaattaa tgccaaatgt 60  
ttgactgatc tctaattang catgatattt catgtctatg ctttgattg agcgaaatcc 120  
atgcttgggt gctaaatatt agaaaaattt gatgtacctc gtgttgctt aactaaattg 180  
agtgttggc ccaattccta atacatgctc attaatggtg attattgtt taccatcaa 240  
aatttatgtc gttcatgtat atctttctt tctccattgc tctactataa aaacacgtgt 300  
gagtatacaa ctaatcacac cactcaaatac tctctcatt tactctctcc tcttgctctc 360  
tgaactt 367

<210> 32932  
<211> 489  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32932

aggggccccgt tagccccgt aagcnancgn naattatnat ctangctgtc gcacnnaan 60  
ccggagaggt agtgcataatg ttctcttact gnactaancc atnngcggcc caggtttcat 120  
ggtctggta agatcctcat aagcatctaa gggagtccta tattgggtt tccaccatga 180  
accccccctga tgtccaagaa gatcatcatc tttctaaagg ctccctca ttctcttagag 240  
ggagtggcca aagattggct ctactacctt gctcccaggt ccattttcag ctngatgac 300  
cttaagaggg tttcttgaa gaaattttc cgatcatcta gaaccactgg catcagaaaa 360  
gacatttcat gatcatgca acttaatggg agaaagctt tttgagttat gggaaagatt 420  
caaaanattt gtcaacctg acctcaccac catattctgg caactccct tcatttcta 480  
tagggactn 489

<210> 32933  
<211> 394  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32933

gggagaatgt gaatgtatgt atacatgatt ctgatgtatgt caaagaagaa tcaaacaagg 60

ctgcttcaaa tgataagcat ttgcttcaag aataattcaa gagtgcttca acaagcacag 120  
ccatgtttta agattcacta nagaccaagc cttgccttaa aacaaagtgc tttcaagaca 180  
tgcaaggctc tggtaatcga ttaccaggaa gtgtaatcga ttaccagaag acagggttga 240  
gaaatagctg ttgaaaaatg ttttgaattt gaattntcaa catgtaatat attaccatat 300  
gtctgtaatc gattaccagc aacgaaaactt tggaaattca nnattcaaag tcataaccct 360  
tcaaattata actgtgtaat cgactacaca aaca 394

<210> 32934  
<211> 311  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32934

cctccgatta acaggacctt catagatttgc atcngatgcc aaggtaggca caacaacagg 60  
ggcaagcaca gtagcatgcg caggaacacc agtagcagcc agacgcaa at gcatttgtgc 120  
cacctctacg acaaccacca tctctgctca catgcggatg atagagctcc agatgcacgc 180  
atatatgcaa catgtggccg accagcaggc ggccaaacat aaggtttagg tgcaactgaa 240  
tgaaagctnt tacctgtaca ccctgcatca gtagcgctag gacccaaatc cttacccatg 300  
gcctactccc g 311

<210> 32935  
<211> 283  
<212> DNA  
<213> Glycine max  
<400> 32935

atctaaaaac ctcgccaaag gacggtcatt ctccttcttgc gaaggtacca caggatatgg 60  
tacttccaca acttcattca caacttttc acttctactc ttctttgcatt tctcattttt 120  
ttcatctttt tcaatcttctt attttctttt tcttggcat tcaatcattt tttcttgacc 180  
attatttagat tctctctttc ctgagttctc tcaccttgct catcattttt cttgttatca 240  
atacctctct tttcaatgcg gtaagccaca tgactaagaa aaa 283

<210> 32936

<211> 475  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32936  
  
aaaacatcg ttgngactga ncgacgtgac ngttanaata ttttncttg ntgnntnctac 60  
taggggaggc gttccgata ttgaagatat tttctttaa aaanggatgc cngganacct 120  
tggagagcca gggaaaagaa gtcttggtaa gggaccttaa ggacacaaga ggctagaaat 180  
caaactctct agggttccac ttggtatgga ttgaaccta acttcagaat tgtcaaagg 240  
cttcagggag agggcaaaaa aaaaaggct atagaacttt atgggtattt gnttgtattt 300  
tataggtacc aaatgattaa ctaccattct tacattatta aattgtttc actatagaaa 360  
tcaattgcta agtgcaaccg tggagagcaa ttctattgac ccanatgttg ttgcagtgc 420  
acactcattt tgtcagctga aacactgatc ccattctcat gtgatagaca tacan 475  
  
<210> 32937  
<211> 292  
<212> DNA  
<213> Glycine max  
  
<400> 32937  
  
aaacctccgg ggcagcaaac ccaacatgag cacaataata tgaccttca agcaatagat 60  
acaatccagg ttggaggaat catccaaata tgagatggac aagtccctcca caacaacaac 120  
agcctgcccc tctattttag aatgctgctg gtccaaagcaa gtcatatgtt ctcctccaa 180  
tgcagcaaca gcagcaacag tcacaacaaa gacaacaagg aactgaggct ctcctcaac 240  
cttccataga agaatttagta aggcatatga ccattcagaa tatgcaattt ca 292  
  
<210> 32938  
<211> 469  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32938  
  
aggtaacgtt tgcttgtacc tggaaataaa ataccgcctg ccganagtga catgtaaagaa 60  
tccacggtcc ctctttta tttcccttat angagagtgc agtagagttc actggccgtc 120

acttaacaac gtcgtgactg ggaaaaccct ggcggtaccc aacctaattc gcctgcaaga 180  
cattccctt ttaccaagct gcctaataac caaaggccc ccaccagatc gcctttcca 240  
caagtgccac agcctgatgg cgaaatgcgc ctgatgccga tttctgctt acgcatctgt 300  
gcggtatcc acaccgcata tggcgactc tcaagacaat ctgctctgat gccgcatagt 360  
taagccaagc cccgacaccc gccaacaccc gctgacgcga acccnntagag gacgcttcaa 420  
tatatgtcat gcttggacac atagagggtt gcggaaagat acctgtgac 469

<210> 32939  
<211> 347  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32939

agctgttgag attaaaanng cctaaancat ttccggagat gcatgtaat taggaagcat 60  
caacaagaat caagccaagg ctatttgca aggaatcaat ggggcaaaac acaccaaaag 120  
attatgatga tggatggctc aaattctcac aaacgttaac ttatcacttt caaattgagc 180  
tttcaaaaact ctcatgacat gtagaagaaa aacaaagatt tcaaatcaca aaatgtcaag 240  
agacttttat tatcaaaaca attaccatt tcttgaacat atcctataat taaaagaaaa 300  
atatgcaaag ttgtacatgc aaacaaaaat gacctaataat attaaac 347

<210> 32940  
<211> 367  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32940

acgagtatac tagatcgcca tataaaaacg cggccaaaac aggccggaaag aaaaccgttt 60  
tctctaggcc ngaacccagg gcggggaaag tcanaaaaac cccactccga ccagacaggg 120  
agtacggag acgcggccat actacaaggc gcaaaacgag acgcatcggtt caatggggca 180  
aaacaaaaag ctcacccgtg gagatgagcg agtactgaga cagggcaccg cataactatc 240  
cccgctgtta agcgacaaca aaattcatgc aacagtccca tagaaaaatt ctcagcacag 300  
tgagacgtga caatcctgtc aaacaggcca aacgacgact tacaactctc gtgacgacac 360

<210> 32941  
<211> 483  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32941

agggttgctc ngcatgatan ctagngcgat atactagctc ggcacccgag atcctataga 60  
gtgcacctga aggcgtgcaa gtcctataa aggctcccc aaaacgctnc cgcgaggctc 120  
ctgttaggaag ctccctcca aggctacttt gagaagctaa tatctaattt accctggccc 180  
ctctattacc taattaaatc tccttgaag tagtgcaga taatataaca cgataactta 240  
ttccaaacttc anatataatt actaacatat atgttatatat atatatatca gggtgttaca 300  
ttgaccaaac tcgctagaga tgtcatcacc caccacaaat aacaccgaag tcgtgatcat 360  
aagcatggag actcanatag agcatggctc ttctcactgc atctttagga tacctatgct 420  
agtcgaagac acatcgagag cgaagaggac gagtatcata aactagaccg tgataacact 480  
tag 483

<210> 32942  
<211> 107  
<212> DNA  
<213> Glycine max  
<400> 32942

actgtaaaaa ggtttgatt gtatataca tgtatcatta ccattgttgt atcgatccac 60  
acagacattt aatcaatcat atctaccctc aatatactgt gtatcat 107

<210> 32943  
<211> 461  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32943

cgttnacacc acagggaaa agggtgaatg accgttagac nacnatatat atnanccnna 60  
caacangggaa gggggaaa aagcgggana ctccctttat taaggagnnn gggccnccgg 120

aggaagcggtt cctaactaag aaatatttct tctcactaac tcatgaggat gcatgatgca 180  
ccanagatga tatggactaa gaagcaatat tcaatataac aatcaataca aatgtcactc 240  
aaggaggtta ggcatgtaaa aaaaaaaca tctcagctt tctcaagctt cagattagtc 300  
tcatgttgc atgttgc ctttccaca attttccca gacaaaatct ctaataagga 360  
acaatattga tgcatggcca caaactaaca taatgcaaca aagtatattt gatagacaca 420  
cgtgacatta aatcttatta tagctattaa agattattaa c 461

<210> 32944  
<211> 331  
<212> DNA  
<213> Glycine max

<400> 32944  
  
aagaatgcag ttttggagc tcaaaaacaa ggaaccatgg aatttgat aaggagagag 60  
aacacagata tttagagaat agatgcaatg gtactgctgt gaacagttac actgaactta 120  
agcaaatttc gatgcactcg ctgagcgagt tatgcttgct gagcgagaaa gagatgtttg 180  
gtttctctcg atgatctcgc tttagcggccc aatgggctca gcccaacttg aaattaaaaa 240  
ataatttgtt tttagagttt ggcttagcgc aaagcagtgc actcagcgag ttctgcagat 300  
aagaaatcct gcaactctcg ctaagccgga c 331

<210> 32945  
<211> 429  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32945  
  
gctcgccccccc gggatctcta agtcacctga ggctgcattt tttgagatac tnggtgnact 60  
tttactgcca tatgcaaaag tgggtaccc caacataatt gctttagaag taatataata 120  
actaaaaacca taaccatgtc tagagacata aaactaatga tacagaaact agaaatttca 180  
ccatccaatt atctacaaat tgtgatattt ttggcaacaa aattttata aataaagcaa 240  
acggtttaga ttgcacca gccaaaaaaa atgatnttag gacttgactt tatcgatcat 300  
gataatagat caatcactat tacaaaagat tacttattaa tntctacana ctcacaaatg 360  
tcacccataa tatacgaact cacatcagag ttacgaacaa agcgtggta tgccccact 420

aataactagt

429

<210> 32946  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32946

tgccttaatn tacattgatg tttgtatnta tggatgagt ttgtatgccca tttntgttt 60  
aagaataggg tccactggta aactacttc caatgttgcc ttccagaaat ggcccggagga 120  
cctggctaaa aggtccagaa gacaaggcac cgaaggaact agttccgctc ccgagtatga 180  
tagtcaccgc ttttaggatg ctgtacacca gcagcgctc gaggccatca agggatggtc 240  
gtttctccgg gagcgacgacg tccagctcat ggacgacgag tatactgatt tccaggagga 300  
aatagggcgc cggcggtggg caccactggt tactcctatg gccaaatntg atccagaaat 360  
agtccttgag t 371

<210> 32947  
<211> 310  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32947

agctgcngcn ataatancaa aattgcctaa atcattcca gatatgcatt tgaatttang 60  
agcatcaaca agaatcaaggc caaggctatt gtgcaaggaa tcaatggggc aaaacacacc 120  
aaaagattat gatgatggat ggctcaaatt ctcacaaagg taaacttatac actttcaaatt 180  
tgagcttca aaactctcat gacatgtaga ggaaaaacaa ggatttcaaa tcacaaaatg 240  
tcaagagaac tttatttca gaacaattac ccatttcttg aacatatcct ataatttaaa 300  
gaanaatatg 310

<210> 32948  
<211> 424  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 32948

gacactataa aactcagctt tagccaatgg actaccgtga ataattcttt gtatgccttt 60  
gagccttgg ttttcctgg tttgaaccta cttaaaccct aagtaaaaaa ccttatatac 120  
catatcctta aggaattttg agctttggaa tggtttggg aataagtgtg gggggttttt 180  
gtttcattgg acaacttgg ttttggcta tgcttcatga tgtatTTGG tccataacttg 240  
atgtacattg tatattgggtt aaatgttgg catgctgaat gaaatgttgt ttctcaaaga 300  
ctaaagatta aaaaaaaaaa aattcgaaaa aaaaaaatcg aaaaagaaaa aagaaaagca 360  
ataagttgag tgaatagaac ttanatggca caagaatgat gaaactcttgg tttctactct 420  
tcat 424

<210> 32949  
<211> 329  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32949

ctttggAACCGGATATGGAAATCTGCACCAATAATGCCACTAAGGTCCAA GTTTCAGGC 60  
CTTATAGTTA TACATCTTATACCGTTAACCTTGACCATGCACGGATGTGA TGTTGACCCA 120  
ATCCAGGTGA TGCTAAGCACCGTTGGAA TTGNGATCAA CAGCCCTGTA CTGTACTGAA 180  
CATTCTACAT AAAGAANAGA AGGACAACAA AGAAAACCAG CCTCCTCAGA AATACAGCAN 240  
AATCTCGTCT CATGCAGTCC TCCTCTGTTG TAAAGACTT GCTAGTCCTG CATGCTTCTT 300  
CATTGTGCA TTGGATAAAG ACATGTATG 329

<210> 32950  
<211> 257  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32950

AAAAATTATA ATAAAATATA TTGATAACAT TCTCAATAAA AAACACTTAC TGGATTGTAT 60  
TTTCATNTG AAATGGAGAA GGTAGTACAC TAAAAANTTA AAAAATACTA ATAATATATT 120  
ATTTACATC ACTCTTTAT ATGTTGTTA TAAATCAGTA TCACCCTAGT TAGAAAATT 180

agcatgaatt cttattaaat gatatacagc ggtaaaaaga gtgtaattt gatatatcg 240

tagcataaaat tacattt 257

<210> 32951

<211> 222

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32951

ggttttaaaa taaaagggt tcctctttt ctataattt attataaact accccacatg 60

tctccatttg agtggagcan aaggcccac tntcccttt tactgtgacc cacactcagc 120

cacanaagtg agaanaatct gaccttgaa acgctaaaat cctgcctcng tttgcgtgtc 180

gtttctctgg ttccagtttc tcgcgtntct ctgcgtccgt cg 222

<210> 32952

<211> 169

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32952

ttctctccat gttactgagt ctttcataaa aatattggag aagaagctgc tcagaanatt 60

tgggggttag ggcaatnggc gcttagttt ttanatctct cccagtttc atatanngct 120

ctctcattga gttgcctaatt gcctgaaata tccttctga tggcgtgg 169

<210> 32953

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32953

gctattggtg gatcgcaaa agtcaggtaa tggctcgcat ggaggtggtt gataattccc 60

ccaacctttg gcatcaagat gtcaggtgct acgggggcct aattaagaaa tttcatcacc 120

ggcttcctat gaggctcann atcaggagc agccccata acgagatcct ggctagcatt 180

ttatcaatgg ttcgatcaact ttgaantcac tctgcttaat gattcttagg aatttggc 240

gttctaagca gatggttcct tcctgccaga attatnctct ttcttgagg ctttcatag 300

gagtcttgtc attacaaggc cttttctccc ttgtatcaca tactcttctt ttcctttgct 360

tta 363

<210> 32954  
<211> 209  
<212> DNA  
<213> Glycine max

<400> 32954

ctaattacta gcaccatatac cttgcagcat ttccatttca ttgacacgag tgcaggcctt 60

cagaccttca aaccaagtct tttatgtacg tggactgac aatcctctt atagatatac 120

tcactaattt cacctctgtg tatgggtggc gaccccccgt gtgatactgt acaatgtctt 180

gtgactgcta tgtatcccct gtattcatg 209

<210> 32955  
<211> 334  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 32955

atcttttgt tcggatggng gacctgnggt tggtccaacc gcgtaaaaag tctaggcacc 60

ttgaaatgggt ctgtatggat gcaaaggat gttgtgattc agctttgct ttgtaaaata 120

atgtgatacg gtttatgctc tgtttgctg ttgggtgtt tgatccccata tatgagttgt 180

aatttatggg atctggtag tcatttcaga gactgggttt tagttctct ttctgggatt 240

ttacgttggc tnttcttggtt ctataatgan tattgcgatt tgattgttaa atacaattgt 300

ttttcttct tggccatat gacatgtga atga 334

<210> 32956  
<211> 365  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 32956

tgctatcaat gttaatccca aactcccttg catatggtat ttactcataa tcagttcgt 60

gaattgtctg ctatgtatatt ggaaaagcta tagattaatt aaactaaacc aaacctgcaa 120

tacacattat anttttgttt gtaaagagaa taaatattga aatggacatg trntaaacaat 180  
tgcaatttat catacaacca tggctattca gtttccaatt gattctgaca aaaataagaa 240  
tatatagaag aaaataaaaag gtttgatgag aattctaaat tacccaaata cgggaaccag 300  
tgactaggag taggatcaa taactagtgg ataccctcta acaaatgata gcagacatgc 360  
ttaac 365

<210> 32957  
<211> 297  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32957

tccaaaggta cctaaagata aaaaagccaa aaggagactt gatggttcaa gacgggtggga 60  
tcaacatcggt tctgttcac agtagttca ctgggtcagg caattttcta ctccagcagt 120  
tattcataga taactcaact agttcccta cccatggaat gtangagagg gggatcatga 180  
acctaagcc acaagataag ggacaatgga agatatacgca tatgttggac aaaaggaaag 240  
caaacagttt aaagtgtctg atcaaacaag tgccctaaat aatatcaact taatagt 297

<210> 32958  
<211> 426  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32958

aaaaacttta ctagatcanc ttaatctaact tgactactan ttatttctat ggaacatgtt 60  
gtttttccc ccaagattgg aggaaccgaa ggatcataca ccatatgtaa aaaaatgata 120  
ggtaagata ctaagtgtat cgtgcataact acgaactgct gctgggtctg catcactcct 180  
ctgttacacc cattgaaaaa atgtaagttt acaatataat cattagata tangggaaat 240  
ttgcaaatttctt cttccatgac cataattcctt gactttgtat caatttataa aagactnttg 300  
aataagtaat tacttattaa aaaatggta tggctttgag gcctatnttc ttggttattt 360  
attgcacagc anagcatata gagtgttaa taggagaact ttatgtgtgg aagaatttgc 420  
catgtt 426

<210> 32959  
<211> 331  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32959

gaaattctga tactggggac agatgtcgta ccggatgtca cgacttcacg cttcagaaca 60  
tgcagattat atgtgtctgt atgaacagat taaacaagta aataacacaa gagaattgtt 120  
aacccagttc ggtgcaacct cacctacatc tgngggctac caagccacgg aggaaatcca 180  
ctaaaatagt gttagttcaa agtctaacag ccactgttta caaccttctc acctaaccac 240  
tacccgtgca atctctacct aagagccact cttagatatg agaaccctgc tcactccctc 300  
tcaaccacac tcccgtgtgt acaaataaat c 331

<210> 32960  
<211> 116  
<212> DNA  
<213> Glycine max  
  
<400> 32960

cgctatgatg gacccaaatg acaagagctc cagaattaat gcataacttta actaagccat 60  
cagcgctaat acaacccgca atggcatcga gcctctaact taaggatact ttacta 116

<210> 32961  
<211> 195  
<212> DNA  
<213> Glycine max  
  
<400> 32961

aaacccgcgg accaactaat cctggcaat cccttgcac tgcgtataaca aagccccccg 60  
acgcctccac agtgccacct gagcgaggcc cgagcgattc tctacgccgg cgatcaacga 120  
agggcctcta acatgttgag cgatataacc gccacccgca cccgtgacaa cctgcggta 180  
aagaaattta cgctt 195

<210> 32962  
<211> 447  
<212> DNA

<213> Glycine max  
<223> unsure at all n locations  
<400> 32962

aaaaaaaaatga atttcattg actancnacc ggcataact ancatggac ccggaaatcc 60  
tttaaagtgg acttgaaggt tgcaaactnt ttcagaccgn aagccatgct aaccaccttg 120  
gttccttgat acagggcata caaatccctt tcttcagttg ggtggccctt accactcgga 180  
tcacgaccaa catattgaaa atttgcctg cctttatccg tgccttgcac gcactgtact 240  
tcattggacc gcattatgca tagtcatggaa aatggcact atggtagtct angatcaaaa 300  
ctccatcttc tagcctaaga gaacaaagaa ctatagata aattcatgat tggcaataaca 360  
aatgatagat actgaattaa tgaagtcaac acttttgggt catttgaca tatatgtgac 420  
acatccatta tatacctagt ttttaaa 447

<210> 32963  
<211> 496  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32963

nnnccttcgt tagggactg agtnatcana ncttntatac tcaagcttgt gaaggaaatg 60  
atgatggag aaaaaggat gggaaatgttt ctcaatatcc tttagtggaa aaaaaaaagcc 120  
cataaaactc ccgtgggtgg aagaaacccc taccatggat tctataaagt aattaaggaa 180  
ggttttcat cccagggtcc taaaagtcct tatttaatta tcaggtggat taagggttat 240  
tagttagaat aaaatacctt tcctaaagta ttatggatg gtaagggcat aacatgtgc 300  
aattgggttt gcctaattac tactaagtta aaatggtttc atttatattt atcatgtcat 360  
gtgtactaaa aatttaatat tgtaactctt tatgtaaaca tccatgatnt gtacaaanga 420  
tatgatntac tttattagtt ttatatatga tgagtttaag acctagaaaag acgaattcaa 480  
attaatgaag aagnan 496

<210> 32964  
<211> 325  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32964

aggagtgacc t~~gatcagcga~~ actacnaccg ctta~~ctgagg~~ g~~ggaagaggg~~ gctctgc~~n~~ 60  
nngcnaanaa agcg~~gggggc~~ c~~gaacc~~ccggc cg~~cgcaan~~cc tcaccgacaa a~~agccgg~~ag 120  
ccctgc~~ggaa~~ c~~agagg~~caga acctag~~tccg~~ cccccaaaaa gccccccgaa gcagaagc~~gg~~ 180  
gccgcacaga caaaacagac gcgc~~gaagag~~ agccacacga aggccaccga aaatgtggca 240  
ggc~~gagac~~ct g~~cgaagaaa~~a g~~cgaaga~~aga actacaagag gtc~~ggaagaa~~ acacgagagc 300  
cg~~gcactaa~~ a~~acggggcg~~ caaca 325

<210> 32965  
<211> 423  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32965

tgacacaatc aatattctgt gtcttatcaa gccactgtt~~g~~ tanttaaca nataaaaaga 60  
ttt~~gttgt~~gt gtt~~tg~~ctcac tgactaaatc ttaattgtat tacagac~~gaa~~ tatgaaatct 120  
aagcaagcac tt~~agt~~ctttt ctatcaa~~agt~~ gtttgaaag ct~~tttc~~gaa ctatacaaga 180  
atata~~tagag~~ agat~~ttt~~cac aaaacaaatt taaatgttag cg~~cacagg~~tt c~~gt~~taacccat 240  
gtcttaaaa ct~~ttt~~gttat ttataggcat tc~~at~~cttcaa gtattgtt~~g~~ tctctaaaca 300  
aatagttntc tt~~cact~~tgag ct~~tg~~catatg atg~~ttt~~atgg tc~~gtt~~gggc attgcattaa 360  
atgcacgtac ttcttatgc cagaaaacca ctcttattca ctctcatgta gaataattca 420  
gca 423

<210> 32966  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32966

ttctt~~gtt~~tc gac~~ctact~~ta cccgttgaag atcgaagaac gatgaaaaac gattgaacaa 60  
cg~~tgc~~aaaaaa cg~~gtcg~~aaaaa c~~ttcg~~cgaa attcctc~~ac~~g gaaatgtt~~c~~ ggaagcgc~~ct~~ 120  
cg~~gcttagat~~ attctt~~ac~~g gaaacaattt ttccaagcaa attc~~gaa~~aga g~~cg~~agaagtg 180

cctaaggggc tgaacccttt tgcacttcac ttccctccct atttatacgca naatagggg 240  
gatgcttgcc gcccagctcg cccaggcgag catggttgct tcctccataa gcaacagcct 300  
tctggaggaa tnctctggag ggcccagaatg ggccctggntg ctattgcac cccctttta 360  
ctaatacacc ccc 373

<210> 32967  
<211> 417  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32967

ntgatcttcc accaccgcca ccaccatcat cttagatcta tattttata ttaataagac 60  
cttgaatttc aggctggat tttggctaaa ataataatgg aattggacca attaacaatt 120  
tccctatttgcatggaatgt ttgaacaaat ataaagtatg ttatttgact atatgggtt 180  
tatagataat ctatttatga ttgttgcttc atggtttgt tgtagtttc tcaatgaatg 240  
ttgtatggat gtgttagttat atttgattat ttcaaatttg ttacgcactt tggcttttgc 300  
ttgatgccaa aggaggagag aaatgggatt aaaatcaaga actcacatga gtaatcaatn 360  
taattttaaat atatgcacaa attcaaaaac aaagggggag aatctatgtg agtgatc 417

<210> 32968  
<211> 326  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 32968

cactnctcta catgataaat gagtacaacc atttgttattc ttgcagggggg gttccctaaa 60  
ttcaaagaac actttgcctt cttacaacta tctctattag agaatgatat gcaaattaac 120  
aagtaatttt cttctattca tttagaagtga ccactccatt aattgtatct gcatgttata 180  
gaatttgtaa ttcatgttgc ttcttggaaat attattggta gttataagc atcaattttg 240  
gtgtagaaac caaggtgttt ttttttaaaa aaattgtcta ttatccttttt ttagatgcat 300  
cctcattttt taaattgagc ttatta 326

<210> 32969  
<211> 300  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32969

tcgattaccc tgcgttatttc tgatacgttg gannattcaa atccaatntg gtgaagagtc 60  
ancaactcnt tcataataat gcacttgtt agatcgatta catgaactat ggttagatcga 120  
ttaaccagtg ataaactcttt gaataaaaagg tcaaaaagtgg taactcttga catgattttc 180  
tcaagggttat aactcttcca atggttctct tgatcagaca tgaagagtct ataaaagtaa 240  
gaccttgact tgcattcaat agaactttt acaactcttt gacaattttt tagaacttct 300

<210> 32970  
<211> 488  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32970

aaaaacaaag gacttttagn atgtcnntt atatatatta cctgcgatgg ggctaaatcg 60  
gataatcaca gcgaagnntt agcctcgttg tcanacagna acacncacgn gggggggcct 120  
tcgatgctat acgctctatt tcgaangagt tcaaaaagtgc acccctcgaa gcgttttatt 180  
tcctatttct tttgggagaa taattatagt cgtgtgcgtt actactacaa attcgctttc 240  
tattgactaa cggaaggcta agtctccagg gttggtctct cttcaggatc aaggacaact 300  
ctctatgacg atgtattatt actattaaat tctgatcaga ttttcccctg caccaattac 360  
tctgtatgtg tggctattaa ttcatgcatt cctagtgcatt gactaatgag ctcagtgcct 420  
aaattacatt catgctcaat gatcgatcat gattaattgg cgtatgtgta tcttgaacac 480  
atatagan 488

<210> 32971  
<211> 334  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32971

tatcttgttt aatggctaga catgatacat gtcagggctt gggttggttc aaggataaaa 60  
gggatcccc acattatttc catgacacan atgcaaaaaaa tgatgattt gaaactttat 120  
gcaaaaactgg tcatgcacgc acctatgcgg acactcaagt gtcaaatttt tatggcatg 180  
tgatgctagg gctcaggatt catttctcta ttttagtcaac ccacgcttcc aaatatgttc 240  
tttatcaatt gtgcattcat cgagtcattt gggcggttcgg aaaattttac agcatcaccc 300  
ttcagtgata ccacatttt taaaaatggt ttga 334

<210> 32972  
<211> 325  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32972

cacaacatcc tccttcgttg tttcctttgt tgccactacc acctncttca atgagcgaaa 60  
attctcaaatt tcctcctcat ttcattccct atttgccact ccctccacca ccagtaactt 120  
ataaatcaatc cccttctacc gaaaattctc aaagatctca aactttctt caatgtcaca 180  
aaacacctct atcgcatttc ataaggctcc caatagttat attcgtgcac aaactccttc 240  
aaatgagggaa gttgatatta caatagagga aggaggaggg agttctacaa agaagaaaaa 300  
gggaaaacga ttattttttt caatt 325

<210> 32973  
<211> 367  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32973

ntcaccagat catataagat aaatncattc atccaatctg tatatannta tcctccaaaa 60  
tggtaaaatt ctctgcccta tatatttcaa ccctttccat cactggcaca ggagtgaatc 120  
tttctcatgt gcaatattaa agttatattg tcatccattc ctcacaatca gaaaccacaa 180  
acattgccat atattangaa ataaaaaacc taactcatac tcaaacatan gcacatcaca 240  
caacaacatg caatgtcatc tattaaaata gagcatcatc aatgaaaata ataaaggacc 300  
atanacacctcc ctacgaagcg cgtagacaat gcaaatgata acccttgaac atataanacc 360

<210> 32974  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32974

agatgaggaa gtgtagaagg gtgagaactc ctgcttctan tctttacca canagngta 60  
ccttagagata tgtcgcttga gatcaggaca ctttcggac gtcaggtggg gtgctattgc 120  
ccaataccaa gcttgaccaa tcctgaccca acccgccat agtcggtcag tgagaacctg 180  
tgatgtacct aaacatgcga agtcctgca gtcaacagat aaaaggaaca aagaccacaa 240  
atcanggagg ctgtgttgtgg ctggccanct gtgaattatg tgtgatatat ggggtgtggc 300  
ctctggtaat cgattaccaa gggtggtaa tcgattacaa ggcttnaaaa tgaagacagg 360  
aggctaagat ggtctctggt aatcgatta 389

<210> 32975  
<211> 254  
<212> DNA  
<213> Glycine max

<400> 32975

gtccgtggcc aaatgatggt gggatggtg gtaggcgtaa ttgttaacgg cggaggttaag 60  
gtactacaac ttcatcgatctag ttttttccg tataaaaactt acaaatcaat aatccgtaaa 120  
ttatataaaaa ctatggatt atcaatccgt caattatata taacctacgg attatcaatc 180  
tgtaaaaaaga caatccatat gaattatgcg aatttcagt aatccgtata gtccatacgg 240  
attctcaatc cgta 254

<210> 32976  
<211> 381  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32976

aggatcttg ctantcgccct taatatacgct tgctgttaaa taaaggtatt cagaacatata 60

tgttttaat gggttcaag cctggaggct tcaaatttat attgaaagga cctctatcta 120  
taatttgga ctttatgaac aaaagaaaag agttgtgtac atatacctgt ccttcactg 180  
cctgtgttat ttaggatagg ctaccctcct ttggcggtgg agcttcaaa accctaaacc 240  
tcagttggct tctcaattgg acatgactca acggggatag ggaagcactg actcacggag 300  
aaggctgagc cactagagca cacgtcagca tcgagcaact gtaatcgata ctcagaggaa 360  
cacgtgtaac tggaactcg a 381

<210> 32977  
<211> 384  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32977

acttctgag gttgccatat tgtgtgtgt tttttttt agacaaattc ccttagcaat 60  
cccncaaatt aaggacttat cataactcga aaccctttagt ctttctttaga accctanaac 120  
aacgtcaagg atatcaaaat taagctcagg gtttattca aacaaatcat tattacttt 180  
ggctcaacag gggtaagg gataaattca tcacaggta gcttttggc tgagtggcta 240  
aaataaaaag aacatggcct tgatcatatc caccttatgt aaataatcta acagtctaag 300  
aatgatgcaa aattaataat ntataaacag acgttctctc ataattaagt tcacacagct 360  
ccccggaca agataaagtt atcg 384

<210> 32978  
<211> 108  
<212> DNA  
<213> Glycine max

<400> 32978

atgtctaaggc gagaccttac aactaggac agctagcagc caaccttaac actaccaact 60  
ctcaagaaaa ccactcatat tatccatcta acatcagaat tacaatac 108

<210> 32979  
<211> 143  
<212> DNA  
<213> Glycine max

<400> 32979

ctataaaatg cattaaatat gataaaatgg gacttgtact cacatataat attagttac 60  
aaaggtaactc ttccaggaggt ttttggaaat atattataca tttaatcatt agggtcttac 120  
tatgtgctcc agtatcttta ttt 143

<210> 32980  
<211> 469  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32980

agaaataacctt ttncccttag tangcanncc naannanana ttacgcctgg cgccactaaa 60  
anagaaggag cactggagcg gagaatttct tttatggtng ccaancngc aaatggatgg 120  
tgaaggaatg gcattgacca ttcaccggg agagtgtgaa ccttaaattt tgattgacac 180  
aactatcatt taagacctgg atctttggca tggaatcttc tgaaagagtg gaactgaatt 240  
gtatgaaaat gaagatgatg aaggctatgt ttgattgtga tagcacttac caaaagctga 300  
cctgtcttga ataataatcc ctgcacccag tttgagctga atgaattatt gatgattgaa 360  
cctgacctat cagtgtatct ctactacctg attangtgn gagagctcat caaggagcgt 420  
ggtcaagcaa ttgtccaatt ggggagaata tcaggaaatt attcaaatg 469

<210> 32981  
<211> 327  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32981

tttggatgat accaaggatg atgacaaaaaa gctcaaaaagt caagaccact tcatgttaac 60  
aaatatgatg acttcaagat tcaaagaatg agttcaggat taaatgaaga gtacttcaag 120  
gttcanaagg aaatttgatt tcaagaatca aggagatttg atttcaagaa tcaagaatca 180  
agattcaaga ttcaagtccc aagaatcaag atcaagattc aagacttctc aatcaagata 240  
agtattaaat nttgtttca aaactgagta gcacattaat tggctcaaa aaccctttac 300  
caaagagttg tactctctgg tatcgat 327

DNA

<210> 32982  
<211> 439  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32982  
  
agggcgctgn cccttgattc ctgancnaca ttntanatac tccgctccac aatcccantn 60  
ccttgaatag gccttctttt ttttttccc agtggagtgc ccaactgtcg caacgtgcc 120  
ttctcggcg agcgaaggcg aggctcacgg gtgcgccttc caaggaggaa agggtgcgga 180  
gtctccacca cgttatttgc gggAACgtcg gaaaacccaaa tgaaaccggc aanatgaaaa 240  
tctaagnccgg gagttgtatt acgcttgaga agtattacac ctcttacttt tctcgaagac 300  
acagccattt tttagaatgg ggaaatgtgt atctaacttt attcttttat ttttgaggcg 360  
acaaagcggg ctttgctcta ctaccctctc aagaggagtc gactactagt cttctatgct 420  
gatagtgatc ttacttag 439  
  
<210> 32983  
<211> 371  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 32983  
  
cttggccgag aagaatggat atcctgcaat taattttcca tgttaaacag tctgaaaagta 60  
ccaaatatattt cctatcaata ttcagggttc aagacacata atcatggtagt ctcactact 120  
cagtggtata tttaggttaa tccatgaaaa ggtgtccata tctaactaat aaatcaaaaat 180  
gtgaaccaca attggcactc taataatggt tcagaaagtt tattggatct aaggatcta 240  
aggataagtt atgcattttt ttcttttca acacttgagg cttgtgaaat aataaatgtt 300  
cacttctgct ttactcttc actnggtcat gtactatgca tttgctactt atttgtctac 360  
ttattggagc g 371  
  
<210> 32984  
<211> 373  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations

<400> 32984

ataaaaactca gctaggccat ttcattgcat cctattatat tatgatctt ncggagttt 60  
ctggtaactg ggttagttac ttcttcaagt aaggatatta cagtttgaag taggtgtaga 120  
tatgtttct tctactcctc tcttttatac ttttttatg tgtgcgtgc tgagtgtgt 180  
gcatgagatc ctctcatatg ttgtcactta tcattataga gaacggctgc tctagaaaga 240  
tcaattaggg agaaaagttgg atggcagaaaa ttcataaaaaa gaggagtgca cacactaagg 300  
aagctacagt accaggttt tcttttagcc gaagtttgta attgccttgc aacattgtat 360  
tatgagactt gat 373

<210> 32985  
<211> 249  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32985

cttttggcc acatttaag gagtccatta ttcacttaga atcaaaattt cagccaacaa 60  
ttcattcacc agaactcaa ttcacaatag acacaatcat aaggaaacct aaacgttcaa 120  
gaaaaggatc acaatcaaag actctccaag aattctgcat gaacatgtta aggactaatt 180  
aacatgcaaa gatttgactc anataaaata ataggctaaa agaatttcat acactcatga 240  
acaaaatgag 249

<210> 32986  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32986

actatgtctc attttcctt acgaacgttc tcttgcacaa gacattctat taactaagaa 60  
aatgcaccc atacataatc aaggcagctt cattacctag attatttaca cgtacttcca 120  
aggtgtatTT gtacttaca tcacacccat ctccctggct aaatttacat acatgcatac 180  
tcaaagcatt ttgggttacc aaaaattgca catgtgcaca tcttggatt tctaataacct 240  
atacataacgc aaacttcatg atgaatcttgc actatcttca canaaaggta ctacatttca 300

tgctccttn tcaagtttg ctactaaag ccgcatacgat attcagcata tttccttgc 360

tga 363

<210> 32987

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32987

gctttcnagt ttctggtn tc tgaacctgaa aacttgtgct ttcatacttc atcttttc 60

cctttgccaa aaataattcg ccaaggacta accgcctgaa ttctttgt gtctctttc 120

tccctttcc aaaagaacan aggactaacg gcttgaattc ttttgttct cccttctccc 180

ttgtcaaaga attcaaaaacg acacagtctg agaattctt tgattttcc ctttccaaa 240

ttcaaaagtg ttcaaaggac taaccgcctg agaattattt tgtatcccc ttcacaaaagt 300

atcaaagggtt taacagcctg agatcttgtt cttAACACAT tggaggctac atcctttgt 360

gtacaagtag aggtacatc tactngtgtt tgactgacaa caagacaggg tacatcttt 420

gaggatcatt c 431

<210> 32988

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 32988

cttttggcc ttgtttccct ttccttgc tt tgaagctcac tacaaggcctt aagtggaaaa 60

ccatgatatac accatatacct taaggatatt tggagctctg gaattgtttt gcgaataagt 120

gtggagggtt ttgtttcatt ggataacatg tattgttggc catgcttcattt gatatatntt 180

gagccatact tcatgcacat tgcataattgg ttaaatgtt ggcgtgctga atatgtatgt 240

gtttctcana ggctacaaaa aaaatcgaaa aaaaaacaaa agcagtaagt tgagtgaata 300

gatcttaatg acacaagatg atagactctg gttcaactttt atgt 344

<210> 32989

<211> 286

<212> DNA

<213> Glycine max  
<223> unsure at all n locations  
<400> 32989

cgtaacgttt ccgtaagtaa ttacacaag attctcgaca gttcttcaag atccatcggtt 60  
tggtcttcgt tntcttcagt cttcaacggg taagtaccc tc aaaccaagct tttcaattca 120  
ttatatgtac ccgtgggtggt ccacattgtg tttcatgtat tntcattttc gttttcattt 180  
actttntata ccccttttg acgtgcttaa gccattttt taagtcattt ctcacctaatt 240  
ctaaaaataa aataaatttc caccgatcgt ttgaatttgc aatccg 286

<210> 32990  
<211> 381  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32990

ttttttgtta ggatgcttca atggaggaaa agaaaagaggg agagaaaagat agagggggga 60  
gcacgaaatt gaaggaagaa aaagggagag aagttgaact ctgagttgtg tctcacaaga 120  
ctatcattca tcanagttac aacaagtgtt tcacatgctt ttattttagt actaggtgc 180  
ttccttgaga agctttcttgc agaaaacttc ctgagaagc ttctctgaga aaacttcctt 240  
gagaagctag agcttatcta cacacacccc tctcataact aagcccacct tcttgagaaa 300  
cttccttaag aagattccta aagaagtttag agcttagcta cacatacctc tcctatacg 360  
aagctcacct ccttgagatg a 381

<210> 32991  
<211> 405  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32991

ctgttngatg tgtggaggcc ttgttagtat ctcattgtaa atagggacac tatgcacaat 60  
gttgttaata atccccatcta catctttagt tccttattcct aacatatacg tctntatacg 120  
cacttccatg agatgtttn gctctanagg ttatcttcaa gaggtacata atgtttattt 180  
ctaaaaatcat tgtcgaaaag gaatgtatga aacgttnttg ttccaacata ngttaatatg 240

gcttagcgta tggtttcggt ctcttctagt tcccggttg gtggcgttc ttgcgtttt 300  
tattcttgat ctttaagttt gatctttaa ttattgccat ctgttccata ttncggttat 360  
gtnggttta ctttgcgtat ntacataaat ctgcgtggta tgtgt 405

<210> 32992  
<211> 75  
<212> DNA  
<213> Glycine max

<400> 32992

tcatgatgac gattcaagct gatgcaagca gtcttgatgt ttacgttagat gatgacacac 60  
tgctctaaga gtgat 75

<210> 32993  
<211> 113  
<212> DNA  
<213> Glycine max

<400> 32993

ttgttgtttt cttgacaata ccaaacaaaa ctgggaatga ttgcgagtct tcattttgtt 60  
ccggtaaggc acaccgtcct ctactacttc aactactgtt agatgccact tgt 113

<210> 32994  
<211> 280  
<212> DNA  
<213> Glycine max

<400> 32994

accagcggga cattactctg agggcataaaa tggcatataaa cctcctccca tgaatgcaga 60  
catcaatgta aattgagagc aagcttatgc gcatatttc ttacaaacgt ttcctgcac 120  
aagacattct attaaccgaa aaaatgcacc catatacaat caaggcagct gcgtcaccta 180  
gaatatataac acgtacttcc aaggtgtatg tgttacttac atcacacaca tgccttggc 240  
taaattcaca tacatgcata ctctaagcat ttgggtacc 280

<210> 32995  
<211> 485  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32995

atctactggn ttgattgttc atcgaacctg ataaaagcac gggcaactg ctggagcgta 60  
taaaggggac accaaaatgc tcttttatt agcccaacc ggggggggtt gaggagcttc 120  
ggcacactct cntcaccacc ctaacgaaat tgaccatgta gtgcccacac agactcttgc 180  
acacccacat ctatccggac tggacaat gaaaagctcc cactggcgcg gaaatcaaac 240  
aaacgcgaac gtaaggagca tttgagcccg aaaagcactc tatgttgaag aataacgcaa 300  
attagaagcg caacggcggc atcacacaga ccgggttgat tcgtcataaa gtgaggggaa 360  
acaaccaaca atctgtgcga ataacagtgg gaatggtaaa gtacaggata tgatgcctt 420  
ccaacccct ggagaaccgg cgccagagt tcgcccgcga gatacacaga gacgaccgca 480  
tcgcg 485

<210> 32996  
<211> 252  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32996

agttgcana atttatcaact ctatatngca aacaggttca ccacgagaac cttgagccta 60  
taantttgc aagatagaac aaccctaatac acccatttac aaactcctcc accagcaaaa 120  
cgattccaca ttntccattt cccccctttt atcacgacat caaagaaaat ctaagcgaag 180  
aagagaaaaca agaaaggcca caaaacaaac ttataagtgc aagcgagacc ttggtataac 240  
agagctattc at 252

<210> 32997  
<211> 318  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32997

gggnncgaga ctttagactat gcaaccgccc naancgagaa gatccncctt ttttttttag 60  
acaggaggtg gtctaatcac ctggaagcgc agagtgtgtt ttccttagctc tatctttcc 120

ttatcctgtt acgatttgag attcgatgct ccaaaccccc aagtagctat attctcaagc 180  
ccgttaggac ctacgcttgc caaagattat aaacatccgg cctcaggacc agatccccaa 240  
ctaactctgc ctctctcacg ggcactatgg cctatagtgg agatctgcaa tttgccttg 300  
aaagctgaga tagacagc 318

<210> 32998  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32998

ccagagagct agagacntct aataaaccctt ccngggaggg gaaaacggga tttgttattt 60  
agtncgacga gaagggtta taaaaagttc tctctacaga gatatatcta gagcacacac 120  
aatacaccat acaaggcact tagatgtacg tgaaagtata catctcatac ctcttcaact 180  
tccttagaga ttgtcccaat gtggtatgtt ttgtgtccc tattatatac taggctccc 240  
taagacctt ggctcaaaac gttatccata ttctctacat tttaaccgg ttattataaa 300  
acatcttatg gcttgatatg gtcacattgg tcaggcttga aatctatctt tatagcggag 360  
atgtattctc agaaaactaag acctttgc 389

<210> 32999  
<211> 227  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 32999

atagtcaccc tcgatacaag accgagatga ctatagatgt gtattccctc atatttgc 60  
tccccatatac ctacaactta gtatatgtgt tattatcatt tcgaaatgtt gtgacatgt 120  
tttcaataaa tccaacgaat aaaaacacaa taaatggtaa aacaaggatt ctggataaa 180  
ttatnttcac ctcacacgtt gattataac atgttcttag ttaagta 227

<210> 33000  
<211> 408  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33000

aataaaacaac cacggactct attgaaattt ggacctttat aacttgacc catgctacta 60  
atagcatcaa tcatalogtng ataatatgct gaattaattt cattaaatgg cacagaagca 120  
tcaatcatcc actttgcaat ggcaaggta cattttcta tgactacctt actttgcaac 180  
ccactcttta aagacgttga gctctacggg ttgttttatg catgaaatac tgacctatgc 240  
gaatgatgtt ctccccat ttaggtggat tgagattaca tactcttata gtgctctgca 300  
cttcatccac aactattctc atttgatctt cacagattca ttactatcca catatgcctc 360  
tcgacatttc ttctcttggtt ttacgtcaat caagattatg cttcattt 408

<210> 33001  
<211> 498  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33001

gataaaagaat cgnnnntgnnt gtagcntcg ancntggta ttacgcccgg gaaactgatcg 60  
nggtacatag aacacaattt ncttataana aacggacccg gggagggttg aggttgggcc 120  
ccttgcgtgaac ccacacaaac attggcctt cattgcgcaa cctggAACCA atggaccacc 180  
cgtagcttaa ggctgcaaga attacaaaaa aacggcccgaa ccctagcggg gaaatccacc 240  
ccagcncaag cattatgacc cttgcagcca cagatagcac cttgagtgga ggatcaaccc 300  
aacctcagaa tgcccancct tcacaacaac caacgcaggc tgctccttct tacaaaaggc 360  
tgtggccgag cgaacataca ttcttaccaa tccacaacag aacaacccag aacaggcaca 420  
gtgaggcctc cacaccttcc tcgagacntt gagagcaatg atatgcgaac atcagttcac 480  
aggaacagag cttatcag 498

<210> 33002  
<211> 559  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33002

nngggggcgc gccgattttt tgatacctaa gcattgcata nccgttan annnangct 60

ncncttcan canagagaag agaaagatga aggatcgaag atttcattt agtgnggatg 120  
tctcctccac ctctagaacc tcacaatcac tcataacctc atctcaagct ctaggacga 180  
cttcctctt cgagcttcgt tctctgaang gtcttcgtac agcaaaaatc tctcanactc 240  
tctagaactt ggaccttct ctctctagaa atctctagac atgtagaagc ttcaaaanag 300  
gccaaacctc ccatccanna tctgattca cgcttaaata ngtggcttcg tttgtgcttg 360  
cgcgcttatg cgcaactctga actgcttagc gcgcattact gaatntcngc ttagcatgcf 420  
tcttctcgct cagcggatgg actcangtgg tgcgctcagc ngatgaacc ctcgctcagc 480  
gaacatgcac atctcatcct tcttnagct cttccttgcg ctcaccagaa gtgtgcgcta 540  
gtggatgctc gctanctag 559

<210> 33003  
<211> 368  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33003  
  
agcttatata agtgattca aactntctaa ctgtttttc ttgtttaaa aatcaaacag 60  
gtcccttaag aacaaagttt aaccaagttt tcaagttata cttctattgt atctattaag 120  
cacataaaat gaatgaccaa gaaagtcaaa ttacttgtt ttgcatctgc aaccatcgcf 180  
gtccataata atcatattgt tgtccatagc ccgtatgtgc tcaaggcaat tacagaacac 240  
aacattgata attcaaccaa cattctgta caaaagcaat ttgaattggc acataagcaa 300  
ggcaatatct aaacctacct ctctggcac aatattaaca aaatcaattc accactataa 360  
tattcatc 368

<210> 33004  
<211> 367  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33004  
  
tagttgaga tgcttgacct ttagcaaaca gtatgtattc ttctgcgaac agtaaatgag 60  
aaacacgagg gccatttgag gtcaacttaa ctggcttcca cctcacctcc catcagacac 120

tacctaagag atcatatcac caaggctctc catacatgat acaaataaat atggaaacaa 180  
tgggtctccc tgacgaagcc ctctcacagg aataaaaacta tttttgttc tacctccatt 240  
ccacatgata gaaatagaag tagatgacag agcatgtata atcacagaca taatggtatt 300  
atgaaaataa caaaaatnaa aaagagttc ccaccaacaa aatcctagtt cacacgatca 360  
tatgcct 367

<210> 33005  
<211> 496  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33005

taacacaaca caacagatcg ggaagttagcc taaccaaact ttgatgcaat ggcttnnc 60  
ncnnnngnncg ggagggtgtg gtgttataa catcccaccc cgctctccaa acacaaacta 120  
tgataactgt ttttagaca tccggctat ttaccagtgc tccacacagc ggcactgatg 180  
gacgccagta ggctcgagtt acttcttcta tgcttacacc cctgntataa gaacatacta 240  
actacgattt ccncacccac tgccggatgt cctcgaaggc aatgacgatt acaaactctg 300  
tgtcttctca cctacatcga tgtacactaa acccgtgatg tggacgctat tactccaaa 360  
tcataacctc gccgattcta tgtgaataca gctctagcga ctttctagtc tcataattc 420  
ggcttagggc agcgaagac tcacttacca tggggatc taatacatct ttagaccccg 480  
cgctagctac ctgtcg 496

<210> 33006  
<211> 424  
<212> DNA  
<213> Glycine max

<400> 33006

ataataatag tgggtgtac ggtattttat cacaccttac ctcattccaga gtttatactg 60  
tcttagactat atcatattca aatcttattt cgtccagatc gtatgtcgac acgtcttatac 120  
ttatcttgc cagacgttat gtgatctggc tcataagtct ggactaaaa tagatttgc 180  
agtattgggg ctgaagaccc atataacagc accaatgtga taggctaggg aggtttgtc 240

cgagaggag aaggattgct gggtttagg aattcagcgt atagtactgt ccatgcacac · 300  
tgctcatgga gaggaaaatc gtcgttgcga acagcttaat ccatactgtc gaaatgatgt 360  
cggtgatatg cgtagggtac ttgcgcgta acgacctgaa tcataagata tgggtcgct 420  
atcc 424

<210> 33007  
<211> 527  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33007

naggaggca gatgactagg nccatgcanc ancgcacac nttaatnnac tcaacctngg 60  
cacatntat gngaagcaca gtgactggag catatttgt tatgaatcat ccaacataat 120  
agggagcgaa ttcatagtga cccgttagta caaaacgcga gatgactatc tagaaatatt 180  
cactcatatt tgaggtcgac atctccaaca actctagata gtggttatga gaattctcag 240  
gagaatggag cttagagccca ttagactt ccaacagaat gcgaaggctc aacagatcat 300  
gcgcacca ctatatttgtt gatatctaa aaggagcaac aactacatag tctttacag 360  
attatgcacc aacacgcttt cttgccatga tggagcctaa atttatagaa cccttggagt 420  
gaaaactgaac cttgccctcc ataaaacggg acaagtcgaa gaggcaacgt ggagcccgat 480  
aaaaccttta taatccgtgc tcgaacaaag gggttttaaa ataatcn 527

<210> 33008  
<211> 169  
<212> DNA  
<213> Glycine max

<400> 33008

gtcatagcat gaacccacgg gcaaagcatt tatgcccggg tggccctac aagatttacg 60  
gtagccacat cgtaaagctc tacaccacaa agaatcaaag ctctttggag tcccgatct 120  
accccgacaa ctcttaacgc ccaccagact tcaccccaaa ttctacccc 169

<210> 33009  
<211> 497  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33009

gccgttggat ctagtactnn ctgannaacc aacnnaaaac gaaccnagat tgaagagacg 60  
gacagactta gattctatgt tttcctccg cgacgcggg agccacgtgg accagtgtgt 120  
aacttcttat ctctctccct aattagttac gggcaacaa ccgcctaaga catctactgt 180  
tgtagccgca tctatctgct agcggatctt gcgttgctgt tgatcactcc catcagcaca 240  
tgagcaatac cacatacaac cattctaaca atgagctgag tctccaaaag acggatacca 300  
caacgcgtcg tttcggcct acaatactac ggctgccgccc accccctatg agctccacag 360  
gacctattgt gacggcaatg gcagtctect ccaatcggtc cccttcaca agccctttt 420  
caaacgagca taaccttaa ctcatgatct cacagtaaca ggtctgtaa tactcccacc 480  
gcaactcagc ctgaccc 497

<210> 33010  
<211> 323  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33010

ttaaaagtct tattaattag aaaggtggag cttaggctt taaaaaagcc tattacgctt 60  
gataggttgg tatgtttata taataggctt catgaacgtc aagaaaataa tgtatataat 120  
gatacttcaa tttcatntt gtctactaaa aagatcataa atgggtcttt ntgaacatca 180  
ngaaaataag ttacccttat taagaggttt ttctttgct ataacatcca agaatntaat 240  
gcaaattgag gataaaagat agtgcgaaa caagtcatga gacatanaag catcaagatc 300  
tcagtcctag ccggatgatg atg 323

<210> 33011  
<211> 332  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33011

acttgggttt gccttgaaaa atgnacnnnc aganannnn natagataca catttnnn 60

gcccccaacccc cgcgggttta aacaaaaccc ccccccccca cnncncacc ccaccaaaca 120  
caaaaacaac acacacacaa gaacaccacg aaaaggcgat ttaacggggg atggtgtaat 180  
aaaagaggag ggggtgagga acatgtggag ctggggtaat gtgcgaggag atattacaag 240  
tgcgggtatg accagatact aagattaaa atatatatcg ggggtttagg tggaccggta 300  
aacggataag tggagattca agaatgggt gg 332

<210> 33012  
<211> 382  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33012

agtttctccc cctattttct atatataggg ggagaagtga agtagagaag gggttcagcc 60  
ccttaggcac ttctctctct ttcgaatttg cttagaaaaaa ttgtttccgt gaagaanatc 120  
caagtcgagg cgcttccgta acgtttccgt aacgtttccg tgagtgattt cgtgaaggtt 180  
ttcgaccgtt ctgcgacgtt cttcattcgt tcttcatcgt tcttcagtct tcaacggta 240  
agtacctcaa accaagctt ttaattcatt ctatgtaccc gtggtggtcc acattctgg 300  
tcatggtatt tttattctcg tntcatttac ttttataacc ccctttgac gtgcttaagc 360  
catttatnta agtcatttct cg 382

<210> 33013  
<211> 556  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33013

cgcggccgca ggacggaggg cttgnagna gnacccctng ctnnactata gannacnnng 60  
accgnnnngac gcgnataagt ggactgtgtg gcaagtcanc aaataatngn ttatactcgc 120  
gaatgggacg gacaacatgg aagggtggat gattcgtcaa caagaagcaa atcacaccaa 180  
aggcctcatt ttgcgttcaa gtactaaata cttaggattag cgttcacaca accagagacc 240  
ttgactccaa aactctctta aagatcaacc ctctgcctca caatgaaatg tgctctagtc 300  
attcacagca cgtgtatgcg atcaccaata catgctatcg attacacatg gttgaaagt 360

gtgcaactcg atacacatca tatgtactcg actacaagag actctgaaac gtggattca 420  
attctaataatga atgtcacact gtcagaaaaa caactgtgtt tcgatacact attctgtatc 480  
gataccaaga gattttatga tatgcacccg cacatcttca ttaattggat gcctcaagct 540  
ataaaagtact ggccan 556

<210> 33014  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33014

cacatgtng actacgtggc ggtcgtgcga tggtgcacaa caagtattcc acatccacaa 60  
tgcgcgata atcccaccat ccgctgtgc ccacctccat ctgagtcac gtactcccac 120  
gtagccata ttcttatttc tctcaacacc gggccccat caatcctccc aagtttctcc 180  
aacatcaaag taataacaaca ttcacacagg acatgctatc gcagccaaggc ataacagggc 240  
aaaggcagaa tactctgccc aataacacca accaaaatca cagctttct cacttaaaga 300  
ccccagtaac aatttcttcg atccaattcg ttaaccgttg gatcgactcc aaaattgtat 360  
ttgaagtcta taatgtatac gcctacatt 389

<210> 33015  
<211> 440  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33015

cccgttgatt cgttagtaact gaacatccaa cngactaaaa ctgagttgat tatggagagt 60  
tgatttcttt tgttcacag agcggcgcgt gtacactaac tatcaaactc ttgccttcgc 120  
aaggaattgg ccccaacgag cttgccttca aagagttcaa gaatggacaa gtaacccact 180  
gaactagtcc gctcccgatt atgaccgtac cgctcacgag cgctgacacc accactttc 240  
aagcctcctg gatggacttt ctctggacg acactcccgc ttaggacgcg agttactgtt 300  
tccagagggaa taggcgccga cggggcatac tggtcttcct ggcattttat cccattaggc 360  
ttatattatcc atgttgccat caagaggcgc cgcatgaatc cggaaggcgc tgctccttat 420

cctccatccc actctgatcc

440

<210> 33016  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33016

agcttngac agattgcatt agattatcg aagctgacca caccatggca ttactcaata 60  
naggctagtt catatttct atggtaagt gtcctcacat aatggacga gttgtatgc 120  
tacttctggn ggaaaccttc actactggaa aaaggaaatt ctatgtcggt tctacaacac 180  
tttnaagac ggtttgaac tgtcttggtt accaacgtcg tagaaagtca aaactttcta 240  
agacgaattt ctgaaaaaaaa taactgtctt agaatgtatt tttttaaaaaaa 300  
aaaaatttagg aattctaaga tgattatctg gaaaaccatc tttagaatgtc tacaatctaa 360  
gaaatgttcc t 371

<210> 33017  
<211> 461  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33017

ntttagggaa tccgangatg accnntnattc caacngcatg acttataccca ccaacatgaa 60  
aaaattttt acccataagc ttaccacgac cgtgataaat aaaattcaat ttttaggtcca 120  
atccttacc acaaccacccg attaaaaaaaaa ctttgattct tggagaatga cccaaacgg 180  
attgggtcggt actacattt aaaaacaactt tgggggtcac gagttgggtgg atctgacatt 240  
ccacacccaa tttcctcca aatagctgat acgtaatctt ctctttgaa catgttgtt 300  
tgtgtgttga cactctgaac taagcacccaa acaccataca tatacagaag agtgaagaga 360  
aatcagatata tttgttagaga gaaaaaaaaata aataacaggg gggtttctt ctttcttctt 420  
ggtccttca gattggtccc acaacacttt caggaagcaa n 461

<210> 33018  
<211> 400  
<212> DNA

<213> Glycine max  
<223> unsure at all n locations  
<400> 33018

agctnctact tatgtggctt gttggtgctt ctgcaccccttc ttgtctgcaa cgcgaaattt 60  
gaccattgtt cttccccc gcaatgcttc ttttcatgtc tgccctgagtgg ggcttataacc 120  
ctaaaccata cttccccacga tatccttgag tatttatcag gctagtaatg ccggccgttgt 180  
tgtttccctaa acccatccccg ggttcaaaac cgttccccaa cataactcgg gccatcatta 240  
ccactgcatac ggacagacaa agttgcccattt agaggaggatc cacggaggatg atgctgacca 300  
cctcacaaga ctggaaagca gtttctaactt attcttctgc ggcttccaca taaggcatgg 360  
aggatgggca gcttaccaag atatcttactt cgcctgacac 400

<210> 33019  
<211> 488  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33019  
  
gcagtgtatga tccttacgacc ctganacgcg aacnnnnacan annannnncan naatgacccg 60  
ctaacctaga atantattat cttancgctc ttaaccnang gatttagaag agcttatggg 120  
ctgagtgcaa ctgaaatcg tgcaacccac aagtcacccccc taccgccccac catggcatcc 180  
cccttttgtt ctccagacag gctgatgctt aggtggccat tggacccttt ataccacttg 240  
aactaaacct actaaagccc tttagttgat aacgcacaac atatatttgt cactcaacgt 300  
acaatgattt agccatatata aactactcac actctaaaat gaacatagtg tgtcattaat 360  
cctctcattt ggcatataca actacaactt gactgtctct tgaactgggc tcgtttctat 420  
agatgacaca cttgtgagag ctncttgctt tcttgtctag cctgtgaaga ctcagcctta 480  
gtgatctt 488

<210> 33020  
<211> 274  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33020

cagacatcca accatactat aaggacaatt ntcagttct tctaaacttg ataacttatt 60  
ttagccccac taatcctaca agagagaata tagttcttt tttaaaaaaa cacacaatta 120  
tttcttcct tggaagcctc tttggatctg tgcacacaccc agttgcttat cagttaccaa 180  
atgagcaatg acaataactc attgttgcaa aaattgccaa aacctctatc ctctaagtga 240  
attacaagac gcatgagtca aacttcgcta ctcg 274

<210> 33021  
<211> 334  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33021

tctggAACGG aggaatttga tacataccaa tgcaaACACG attagactat caactatctt 60  
tgcaactctt gatagacgTC tgatAGGGGA gaatgaacAA caagcttA agtggctact 120  
tccttcaaga tcattgcTTT cctttattcc ttttcaaaaAT gtntctgttg aaccaaactt 180  
gaacgtctga ttctacccta gtttcagagg acatcacatc ttggaatgga aaacctgcaa 240  
caaagtctga agaagacaat ggatgttggg actcaagttc ttgatcctaa gatgaanaag 300  
ctcanactaa agaagctaaa tctacttaat ctct 334

<210> 33022  
<211> 361  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33022

agttgcTTT gctcatgata tatttgangg acttatgatc actatgaatg acaaattcct 60  
tgnGataaaAG gtgtgttgc catgtttca aagcccgtac taatgcatac aactcctaAT 120  
cataaggTGA atagttAagg gtaggaccac tttagtttc actaaaataa gcaattggat 180  
ggcTTCTTG catcaacaca gccccaaTCC caacatttga agcatcacac tcaatttcaa 240  
aaggattattG aaagtttggc aacgcgagta tggnggcatt agttagctnt tgcttaagaa 300  
cattgaaAGC ttcttcttGT ttctcttccc atttGAAACC aacattttc ttgagcactt 360  
C 361

<210> 33023  
<211> 562  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33023

cgcgncccta aagaaggaa ttgnngcang natcccctgc gaanntcaca tnnacnnaac 60  
nnnganctac ttattgcttt tgcacatggc cagaanataa gtctcatnca tttatgacgn 120  
aactcctggg gtgtactcat ctatacaagc aagtctgcgt atgcatcaag tccttgactn 180  
tcaagacact gcctgagctt caacaatgct cggctctcca actgtcggac nactctcctt 240  
tggtcaaacc aaacaccccttg ccaatgtctg acaacgtttt ctcctcgcca tcctcaatac 300  
canatcttag ccctgatatg cccctttctt ttgggcttaa gatatttaga gggtgtgcac 360  
atgcacatcctc attagctgtg gtgagaccag tcacatctgg gatctcaant tgctgagtct 420  
gcagtaatct cctgcaattt gataacaatg tgatcaatct gcgcacattca taatanntat 480  
gttgctcaca nanggcagaa gggcttattc tgaccatacc caacattctc cacatttaga 540  
gaagaccacg ctacagaaat tn 562

<210> 33024  
<211> 286  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33024

agcttgtgtt attctatntt cctctcaccc tccattctta caaaaagctt ttcaagagac 60  
ctactattgg tgactgtntt tcaagagaag gtcttcttgg ttgaacactg aacacaaggg 120  
accaacattc cttggattca ttgtaagaag cgggatttgc ttcttggtt atcactggac 180  
acanaagacc aacgtctttt gggttcattt caagaagtgg gtacaacttc ttgggttta 240  
tcactagaca caagagacca acgttccctt gggttcattt caagaa 286

<210> 33025  
<211> 307  
<212> DNA  
<213> Glycine max



gagaggcgac aatatggatg gaccgatng ctcttacttt gaacgggagt caagaa 296

<210> 33028  
<211> 323  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33028

agctntaacc ttatcgctc tcacagtctt tagatttggg agccaatcca atccttgtgt 60  
tcggactctc agccacttat gatacgctgc gatgatccc ttactgcttc ccctaagctc 120  
tctgtccttt cttcacaccg catcacatgc cttgtgaact ccttagagta ccctcgatt 180  
ggggttactg aaaccccgta cgatgaaagg cgtgatgctt ttgtctgatg gcactcctct 240  
catgggtag ccaagctgtc ttatggcgag gacgggatta taattaatac aaccncttgt 300  
tccatcaagg gaacatttgg aca 323

<210> 33029  
<211> 357  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33029

agcacgtcaa gacatggcgc ttagtgcaag ggttgcacgt agncgggtgtaa aacctaaaa 60  
attattctaa gtctttctg tccatcttt cacctaagct taaaagccc cttgttcac 120  
tactaaacga actgaaaaat taatcataat cataagcaac tatcctaatt acatgcaaga 180  
gatacaaaat gacaaagaga anagggaaag actagttggg ttgcctccc ataagcgctc 240  
ttttaatgtc attagcttga cgcacatcc ttttatcctg tgtccaataa gttccaact 300  
tccagaacct tcttctntag tcttttttc ttcatcacat tgaccttcaa acaaaca 357

<210> 33030  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33030

agcggcnnnc aacnnncagaa gccgagcggtt gcnagnccga taganañccca nnanttacan 60

anncacgctg gngngtaaac tgggctgaag ttcatttttag ctttaactgc agaactgcag 120  
ggtagtagga attgactgta tgcactgcaa tatgtctgta tttggtacta ataaactgag 180  
atctaacagg tgtatattaa acagaaaacc ttctcgaggt atgcataat tgtataacat 240  
ttgacagaat agcttctctc gatgacactt aaaaacctat tttatatat acatgaccc 300  
tgagtctatt gcataagtac ttctgtcatt ctagagcac taggtccaca cgaatgcgat 360  
aagataatgt cgtcgaaaga gatatttgta agaatcaagg atagttact ttgtataaag 420  
gcaggtaga ttaacatcaa atatggcctt ctagaaaatt aactggga 468

<210> 33031  
<211> 206  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33031  
  
taatngagat agtgctatca agatcactt cgtcttgtn tttcaagcac aatagntgtt 60  
tgctgcttat ctactatcct atcatgagtc tattcacatt ctttacatg tctgttcaag 120  
ttgttggttc catatttatt actttgcat ttataaccctt ggtcacaatg cttatata 180  
gcaacatccc cttccctatt aaaatg 206

<210> 33032  
<211> 287  
<212> DNA  
<213> Glycine max

<400> 33032  
  
agcttgaaca aattctcata aattaaaatt gctttgggct cagttagact gactcgctt 60  
cccaggctta ttcaacctac aaaggctggg tggcttaaag agactaactc gcttagccac 120  
caacaaaaga caaaaaacat cttagactgt ggcttaaagaa acacaacgcg ctaagtgcgg 180  
catgctgact tagcgagttc atatgacact taaacaaaac aggaaattt aactctcgct 240  
atgccccagg tgcaatggct tagcgagttc atacaaacat tcatata 287

<210> 33033  
<211> 261  
<212> DNA

<213> Glycine max

<400> 33033

aaatcgcgca taaaatacacc atcccctgtt gcccacctcc aactgagctc acgtactccc 60  
atgttagccca tatccctctgt tttctcaaca ccgggtcccc atcactcctc ccaagttcc 120  
ccaacatcca tgtaattcaa cattcaaaca acacatacta ccacagccaa gataacaggg 180  
caaaggcaga aaactgtgcc caaaacacca accaaaaatca cggcttttc tcacttaaag 240  
accccccgtaa cattgccttc g 261

<210> 33034

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33034

agttataaa atgttccact ttctaatcat gtgaaggcca aattattatc aaacaagg 60  
ggaaaaacaat tatcaataac aattatcaaa tgtcacagca tatttgttt tgacatgaaa 120  
gtacaataag catggtgaga tccaaactaga atagtgataa ggcacatgagag tttcatcact 180  
tgtacatgac atgtaagggg atgagatgtt catgtgcagt gtattgtgc aatgaanatc 240  
aatatttcaa ttattatggt gaaaatcaact gtccaaactct ctataatagg acaacattga 300  
atgagtcaat tattttaaat gaaaaaaaaag cttgaagatg ttttaactta ttttacaagt 360  
ctcttgatac ctttatcta at agctatgcca tcttataaaa gatcactttg atcatgtcag 420  
gccaaatta 428

<210> 33035

<211> 519

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33035

nagcggcacg tgtacaatan gcaancctaa ttcatncnnn ccggacttnn tggangcaa 60  
tggagaattt ttttcttna atgccncct cagggaaagag ggcgttatgc cttctccata 120  
aaccaaacat ttatgtaaat ttatagcana ctcatgcgca tactttctta cgaacattca 180

ctcgacacaag atattttct aattaagaga aacgcgccc cgcacaatca aaggcgcctc 240  
gttacctaga acacttatat gtacctcaa ggtgggttg cgacctacat cacatgcac 300  
ttcttcgt aattataata catgcgtact cgaagcgctt tgggtaccaa caaatggcta 360  
cgcccccatt ctgggagttt cataccata ctcacacaaac actttgatg aatctcgat 420  
gcccacccaa caaaggggcg gcactatatg cgcttaatac agggtttgt tcctataacc 480  
gatggcgaac ctgttatatt tcttggtagc aaactgcgt 519

<210> 33036  
<211> 443  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33036

gagagtgatt catgaccct gacatnaccn cnagccaaca ccggngccca gagagggaaa 60  
cttggggtn ttaccaaac caggtgtta taagaaaaat atccttcgca acactttcta 120  
aacgaggatg gggattgtc cacaaaaatg ataggtatg ttatgaac taaaacaacc 180  
tttcttaa aacaacgtct tcaataact tggcaatca gactaaaaac agggataac 240  
ccatctagaa ggatctgagc tctacactgc aaatccgccc gtatctggg cttccaaga 300  
agagttctgc ctacttacat tattacgtag ggcctgaaaa acaggacaaa cacggggctt 360  
ggctcttaac agccccaaatc caaatataac gtaatgaacc aagaaccctg gtgctccacc 420  
ccactttgtt ttc当地agca acg 443

<210> 33037  
<211> 377  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33037

agcttgctac tactatctt tccttttga ngatgacaac ttctgagatc gagagacaca 60  
cacacacaca cacttggcc tagccgatca ctcacataaa tttccattct cccctttgt 120  
ttttgaatgt atgcttctct taaaattaag ttgattactc atgtgagttc ttgatttaat 180  
ccccatttct ctccccctt ggcataaca aaaagccaaa gtgcgtaca agtataagac 240

aatcatacac tattaatcat tcacaaggca tgcattgaag aatataaacc aatcatgaag 300  
caagaaacat gactagatca gatatattaa acaaatcaca tagtcatcta acataattca 360  
taattgttca aacacac 377

<210> 33038  
<211> 521  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33038

gggagatgga agcttgagat cntcatnac acacnngacg caacgganc atacatgtgg 60  
tacaggtttt ggtgtcnatt gtcacacaag ttggcactgc catggcgcat aacccacatc 120  
cctgtggcca cttcaactga actacgtact ccaagtaccc aatatctcgtaatcttaac 180  
accggngtcc ccaattaatc cctttcaag cttgccaca acattgcaag ccagaacaaa 240  
ccattcanac aggacaaatg ctatcacagc caagccaaac agagcaaagg cagaaaactc 300  
tggtcanaca ccaaccagaa tcacagctgt ttctcgctta aagaccccag taacaattcc 360  
tttcgatcca ttcgttaacc gttggatcga ctgcggatttaatggaaagg ctcttgtaca 420  
taagcctaca ttgtgaccgg tggatctac tagcaaacat tcagaactca ttctgcacta 480  
gactttcaca gccaaaccaac acaaggcattt tcttgacttg g 521

<210> 33039  
<211> 500  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33039

gnncctatt aaccgagtca nganctnctg nnatctgac acacnnangc caagcgac 60  
naggnnnagn aaggagaagc caatttactt tnngactt ttgacacgccc ggcataaggg 120  
caggagggnn ttctccatct catatcattc gcgcattcgc ctcattatgc gtacgtcgaa 180  
agacaaattt ctcaatttat caaacgttcg tacgaaggct acactttct atgtaaaata 240  
tctccacctt atcataatgc aactcaactac gagtctgagg tagcgttagta taccgtttt 300  
ggcacaacat cacgcccctt gttgcgaaa cacactctgt ctgaatcaag ctacctatta 360

cgaatcctgt tttgtcgac cgtgtgaata ataaacaacg ctctctcttg cctatcataa 420  
tggatcagac tccttggcgc tacttcactg ctttgtggaa cttgcccggaa tggccctggg 480  
ttagaaacat ttttggttac 500

<210> 33040  
<211> 336  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33040

ctcacagnnc tttagattgt gggagcgaat ccaatccttg tggtcgact ctcagccact 60  
tatgatagcc gccgatgatc ccattactgc ttccccctaag ctctctatcc tttcttcacg 120  
ccgcatccca tgccttgcga actccttgga gtaccctcgc gttgtggta ctgaaacctc 180  
gtgcgatgaa aggcgtgatg ct当地atctg atggacttcc tctcatggga cagcccaact 240  
gtcttatggc gaggacttggaa ttataattaa tacaacccct tggccatca aaggaggatt 300  
aggacatact tcgcatgaag atagaatact gattct 336

<210> 33041  
<211> 210  
<212> DNA  
<213> Glycine max  
  
<400> 33041

attatatgcc ctaatctgac tccgttgatt agtatgacaa tttgaattct ggagagctgc 60  
cggtgtcaa ttgcgagcgt cttgatataat tatgcgcctg aattggactc tcgtgtcata 120  
agtatgacca ttccatccc tcgagacctt ccgttgtca atttcaagct tctcgatata 180  
ttatgcacct gaatcgtgac ttctgtgtac 210

<210> 33042  
<211> 412  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33042

agcttctccc tctttccaa taaatanggg gaggagggca gaacaaanag gttcaaccct 60

cctgatacg gagaatcact tgaaattagt gagaaaaatt gttccgtga agaaaatcca 120  
agtcgaggcg cttcccccga taacgcttcc gagacgttcc cgtgggtgat ttcatgaaga 180  
tttccgccc ttcttcatcg ttcttcgttc attcttcatc gntctcaac cactaagttc 240  
ctgaaatcga actttcaat gcattctatg tacccttagt gggccccact tgttcgcatt 300  
gcttttattc tcatttcatt tactttctgg accccctgtt gatgtgctgt aataatgtat 360  
ataaggcatt ntctcgcccta atcagaaaat aaaatagaat tctaccgatc at 412

<210> 33043  
<211> 199  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33043

ccgcgggtc tctcctacac naaccggaa ggggtatagt tcccgaagg ggtaagcaa 60  
aatttggaaac ccctcggttc aggctggaa ataccggac gctttgggg gttcggggg 120  
tgattcggag atcatctgct gggacctgct ggggttcgaa acgaccggc gggcctcaag 180  
gcctgcccaa gggtggAAC 199

<210> 33044  
<211> 383  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33044

agcttaatgc tgtatggttt gtaaaacaaac ataaggcgag gcttggatg aaggatatg 60  
cgccatgttt cgggttagac ttctcagaaaa ctntntcttc gtttccagg ttggatacca 120  
taaggctgtt gtttagcttt gctgcacaaa aagggtggat tatacatcac atggatgtta 180  
aatcagcctc tttgaatggg cacttggaaag aagaaaaattt tgttagagcag cttgaacgat 240  
ttgttagttca tggacaggag gagaaagtct atcggctgaa aaaggccttg tatggcttan 300  
agcaagcccc aacgtcttgg tatggcagaa ttgatgcaca tttgataaac ttatgctttg 360  
aaaaatgtct aagttagttt acc 383

<210> 33045

<211> 330  
<212> DNA  
<213> Glycine max

<400> 33045

aaaaaaatatg cttaatgcga ctatccatgc tcgtttgctt gtttcaaccc gtacaagacc 60  
ttgtttaatc tgtaaacttt atgctcactt ccaatcttga cataaccgg tggttgttca 120  
ataaaatactt gtccttcaa gtatccatgt aagaatgttg atttaacatc tagttggcaa 180  
atgggccatg aattttatgc cactaaagca atcatcaatc tgatcgtgtc atgtcttgca 240  
acttgagaaa aaacttctgt atagtcaatc ccatattgtt gcttgatcc ctgcgccacc 300  
aacacgtgcct tgtacttgta aacttcacca 330

<210> 33046  
<211> 293  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33046

gcagtgttct ttagatgtgc aagataaaagt atattgcatt aaaaataaat gagataaggg 60  
aagagagaat tgtacattcg atttattttg gttcggtcac ttcctgtacc tacgtccagt 120  
cctcaagtga cccacttgag attttctact atccttgtca attctttata atttctgaac 180  
acacattgng attcctcacc cttgtgtttg agtttctcac atgccaagag ataaacaatc 240  
tcttgattac aactattgag ttttattaga tgaacaaaat gatgtctctc ttt 293

<210> 33047  
<211> 356  
<212> DNA  
<213> Glycine max

<400> 33047

catcaagctt tttttttgt gcatagaatg tggggaaaaaa ctagtaagtgc tcatgaatct 60  
ctgacataag cttcaaccaa ttaacattgt ttgaatgaca actgtttagt ttgcaccgca 120  
atcacatagt ttgtccacca tggtatgctt tatgttccta ttggatatag tttggatg 180  
ctttatgttc ctttggatag agctttggtg gtataatgtt taatttggag tccacaagag 240  
gaggatctcc atatggtgct ggagttattg ctggagatgg tagaagacaa gcaagtgaaa 300

tggagctgga gctcgagag tatcatggca cgtatataatg aaatttagccc ataaat 356

<210> 33048  
<211> 428  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33048

cctcggggcc atttcctgcg aaggcaaaaa tttaggacatt tantttacca gngggacact 60  
actcttagaa canaaatggc atacaacctc ctctcataaaa tacaaacatc aatgtaaatn 120  
tagagcaagc ttatgcgcac atttccttat gaacgttcac ttgcacaaga catcctatta 180  
actaagaaaa atgcacccat atacaatcaa ggttagctca ttacctagat tatttacatg 240  
tacttccaag gtgtatttgt tatttacatc acacacgcct ccttggtcga atttacatac 300  
atgcataactc aaagcattnt gnggtaccaa anactgcaca tgcgctcatc ctggtatttc 360  
taatacccat gcatatacaa acttcacgat gaatctngac tacctacaca ataagggtgct 420  
acatttca 428

<210> 33049  
<211> 329  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33049

agcttgatc tcttataaga gaatgagcat gtgattggaa gtgtgactga taatgttact 60  
cactttgtca gattgattgt gaaggaatac attaattgtt tcccaatgag agtgtgatcc 120  
ttaaactttg agagaaatga ctatcatttta gtactgattc ttgcatgaat ctctgaagta 180  
ttgactcaat gcacgatatt gaggatgtg aacgccatat ttgattgtga tagccactta 240  
tccacanagc tgaccatgtg cttgaatgaa ttatccctta tacctcattt gagctgaatg 300  
aatgattgat tgattgaacc ctgagccta 329

<210> 33050  
<211> 151  
<212> DNA  
<213> Glycine max

<400> 33050

taaatcctac ctcatggggc atataccaaa gctcaccatg cagataatca tactttcat 60  
gtgctagtcc tatagaatat tgaaaagagt gtc当地attg gtggaggac ttgaacattt 120  
ttgattttca gactatacgg ct当地ctaat g 151

<210> 33051  
<211> 558  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33051

cagggagagt tttganatct tgtangcatt tgnancnnnc annaanntna gc当地aanacn 60  
ccgggaggcn tt当地agacga cgagctt当地 gcaagcttga aggccctgnn tatcataaaan 120  
gcaagnncgc anc当地aggc gcttagcag cgaatagacc actcccaccc cgaggtgcaa 180  
gtaagccaac tt当地acaaga acttacgaga agtctaatgg gaatttatgg ctaccatgga 240  
gc当地accct tatgagcatt gtaaagcagt gctcataacg agcatgcatg aagaggcct 300  
anctcatgat gttgctaacg gt当地gttga cgatgatagt aatgatgacg aagagaaaac 360  
tccagagaga gaaagagaga gagagagaga gctgtgttg gaaaatgcag aaaaaatgat 420  
gataataaga aaaattgtct caccgagggt ggcgattcat gacggtctta tatcccacaa 480  
ccacgagtca t当地tagtggag aaagctaaca acggagcatg tattgagcct accaaggatg 540  
taccttattc tt当地ggccg 558

<210> 33052  
<211> 434  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33052

ggcaagttt gttcttcgtt gaccttgaa nac当地aacnn cac当地aaccc nnnangagag 60  
agagngcct t当地ttanaaa tt当地ccaacg ggaggcaggg tcttcgtgaa tgc当地aaacc 120  
aactgcccac aataaatgat taaggattat agactgaaat caatttatta tgc当地aggcc 180  
atactcgcac atcccagtct cgaatgccc当地 attgacatat cgatatact gacactctct 240

acaattatga cctactttgc aacacaccag gtgtaagaaa aaaaagccaa agatacactc 300  
ctctgaacag ccaacatTTT catattaaaa aacgtgtgtt tacaccacac ccaaATGATT 360  
ctaaAGATCT catttacAA attaccaaAT gaaaaAGGTT gaattaaATT caatTCCTT 420  
taccaAGCGT ggTC 434

<210> 33053  
<211> 408  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33053

agcttnCATC agtttCTGAC ctctaACTTC tcaaggAAC tttCTTCCTT gCTTGCCAAg 60  
gaagCTACCT tcCTTGCCTC tcaAGGAAGC ttCTCATGTG ctAGAGTCAC acCTTCATG 120  
cttCTGGCAT ctaaAGGAA tataCTAAGA tgCTTTAAC atattCTTGA aatattCCTT 180  
ttAGATTCAc atgAAATGAA aattatATT ACCAAGTGAa atttCATTAA attAGTGAcC 240  
taAGCTGTAa atAGACACAA gTGTAATATT tgTCACAAct taaATGAAAG agAAACttGt 300  
gagACACACT tcanAGTTCA acttCTCTCT ctattCTCCT tcaAAATnCA cgCCACACTC 360  
tctCTCTCTC tttCTCTCAT tctCTTCTG cattAAACa tcATCTCT 408

<210> 33054  
<211> 531  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33054

nnnnnnnnCC gactggcagn gtcgangaAC ctganaACnA acnngacaAn acCTnCCTGG 60  
tcatgatgag ggaattatCT tttnntCTn ntcccAnnnn gtganaACGc caAAAGAAGt 120  
cgacagACCC AATGAATAGA attcatatat tccgAAAAtt ccCTTCTTCT ttaAAATnAC 180  
aagaACACGA tgCactttG gattCCGTT tggggCCTCA cttgttCTT ttCTCTACCC 240  
ttcacCCACC attttCTCTT ccatGCCAA natGcatGTC ctctnTCTT tgTTggTTT 300  
ccattgtcat ttCGCTGAAC ctttCTTACc ctaatCTTAG agtacaATCC cctgCTCTCT 360  
ccgatcaACC attaccGACT gtcACCCACC cattCTGTCT tcgtGAACAC cgtcatCCTT 420

actactccta gctggngca tctatgacaa tcgtctgcat gtcaccgncc ctcacacct 480  
catcctagac ctattgcgca cgctcttgc nacatcgccc acttccattc g 531

<210> 33055  
<211> 335  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33055

agcttatctc atgtcagaca ccctaatac agcagttgca aacaatcaca gtttacttgg 60  
tgccaactta aagtggatt aaacaaggta taaacttaaa gttcataana aagttaaata 120  
atgctcaaaa taggcaatcc tagcttaat tntaccctat ctttgatgtc acccaaagtc 180  
ggcaagtaca acttatagaa ttccctcttg aatgcattca caaacctaaa taaagtttag 240  
aaaccatcaa gaataagaca attagaatct gtttgatttg tataaatnta agggacaaca 300  
agatacatct actatattat agtatttca ctttt 335

<210> 33056  
<211> 446  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33056

tcgactcatg aacagggat cttgatcgt tacgangctg cngngcatgc cgtaatctt 60  
tccggggc tccatgaata tcttanccac tgttagtagca gtgttagtgca ccggaaagtat 120  
ccccatatgc accccttgg agaaacggc caccacgacc aggaccgcca agggcggcaa 180  
cccaactata aagttgaggg agaggtcctc ccaaggcttc gtcggatttg gtgcggaca 240  
tagtaatctc tggctcctac ggtggcattt ctggctgt tggcacacga tgcacgtgga 300  
gatgaacaac tggacatcct gcttcataga tggccagacg annattgcac tgatgcgagc 360  
caaggtcttt gtattctcat gtggccgcca gtggggagtgt tgtggattc tgcgacgatg 420  
gtggagatgg cctgaagacc tttggg 446

<210> 33057  
<211> 499

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33057

ggccacgttt gtacatcgat gaaccctgnn natcaaaanc anaaccgacc ccnnntngtga 60  
ggtagagagg gancacttct tttcanatg ttctgccacc cnangaggag ggtgctggag 120  
ggctaagtat cnaaccacca gactctaaat ggcatggttt aagttttata atgttgtaat 180  
aggaatgttag ttccatcagg cctaagttat taccgaaacc tctgagaacg gaaggtaatt 240  
tggaaatttg cgacacctcatg agacatcggt tgggggttt taggcctcct tcgtacaaca 300  
cacaacgtgt ttcgataaga gaaatgccc tatggatcaa ctctctagta caacgaccgg 360  
cgcttgtctt atctataata cacgtcgctg cattactgcc ttacctacat aaagtactcc 420  
attattcttt tgatgacacg ctttaccaag gctaatactg agagcttgac agaacagtcc 480  
tggttgggcc gtgcacatc 499

<210> 33058  
<211> 368  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33058

agcttganaa atttcantc agatagttat tagtagcacc aaatatgata tcattcacat 60  
atatctagat gatttagaat tgacttctat aatcttacg aaatagagta gtatctacct 120  
ttccataatc ttgctttaa accatacaag gctttattaa gtttgaatac atgatgaggg 180  
tagatagaac tctcaaacct aggggggtgt tccacataga cttcttcctt gataagtcca 240  
ttaaggaaca cactntntac gtccatttga tataacatta taccatgatg agcaacaaag 300  
gatagtaaaa tgtgtatcgc ctctagacga gtaacaagaa caaaggtnic actattatct 360  
ataccttc 368

<210> 33059  
<211> 547  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 33059

ggggnctcgt ggacccgtcc cgangacgcg cancttnatt actcaaccta tgccgccaac 60  
atctacaata gacctcctca acctcagctt ctattcagcc acaacagaat aactatgacc 120  
tctgcaagca caggtaccat ccccgatgga agaaatcatc caaccctatt tggtcgaaat 180  
cttcacaacc acaagcacaa caacaaccct actttcaaa tgcctgtggc ccaaggcagac 240  
catacgttcc tccaccaatc tagcaccaca gccacaacag aaacaacann acagtaaggg 300  
ccccctcgcaa ccctcgcttg agaacttgtg aggcanatga ctatgcaaaa catgcagtnt 360  
cagcaagata tcaaaggcctc cattcagagc ttaacttatac agatgggaca gttggctaca 420  
cagttaaatc aacaacagtc ccagaaatct gatagattac ctttctcatc tgtccagaat 480  
cacananatg tgagtgccat tacattgagg tcangaaagc agtgtcaagg acctcaccaa 540  
tagcatn 547

<210> 33060  
<211> 377  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33060

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ccgttgttca tttcgagcg tctctatatg tcatgcgcct taatctaact tccgtgtgaa 120  
aagttatgac catttgaatt tctcaagagc ttcctttgtt caattttgag cgtctcgatt 180  
tgtgatttgc ctgaatcgga catccgtgtc aaatgttatg accatttgaa tttctaaaga 240  
gctttcgttt tcaatttcg agcctctcga catattatgc gcccgaatcg ggcattcgtg 300  
tgataattta tggccatttg aatttctcaa gagtttccga tggtaattt cgagcgtatc 360  
gatatattat aagcctg 377

<210> 33061  
<211> 276  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33061

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ctgatgctac aaggctattt atgtgactca acacaattct aaagtcttaa acaaaaaggot 120  
atcttanaa gtaaatctt atcttacaa tcttgccat actggatcat aggatattaa 180  
tctcatgtca tctatcttc agaagatctc ttcttttta tcgaaagata aagacgtgtc 240  
ttatggagat ttaccaagag gtgtctgggt aactga 276

<210> 33062  
<211> 436  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33062

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gctaacgctt cngattcaat ttgcgagcgtc tcgatataatt acaggactca atcagacatc 120  
cgagttataa gttattgtcg tttgaatttgc tcagagctt caacattcaa ttgcgagctg 180  
ttcgatataat tactggactc aatcagacat ccgagtaana agttattgtc gtttgaataat 240  
gctcagggct tcagtattcc atttcgagca tctcaatata ttacggact caatcagaca 300  
tccgagtaaa aagttattgt cgcttgaatt tgctcagagc ttcaagtaatc catttcgagc 360  
gtctcgatat attacggac taatcagaca ttgcagtaaa agttattgcg tttgaattgt 420  
cagagcttca cattca 436

<210> 33063  
<211> 335  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33063

ataactcttc taccatgtga nattcgct ctttatggtt tatgtgngtg gatcttaag 60  
catgtacgtt tagctacaca accatcaacc anactaaagc attntgaata tggctttcat 120  
gtatcttgta cggtagtca tataatctt taggctcttgcgaggattt acactctgg 180  
taatttgtaa aatattaatg gatgacatca tcgaagaaga aaaattgttt gtatgaatnt 240  
gtttaaattt tattttattt cttgtgcatt gcaagttgca acttaataaa ctgggtgaat 300

gattgaatca ctcataaaaa ataaaataaa aaagt

335

<210> 33064  
<211> 451  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33064

aggagtgagt gttctgtata ccttagnaac canaannnat ntagacnccg gatactctna 60  
gacgagnnga ngcatgcagc attttcaata tttgngggcn ngcttctggg attgggtgat 120  
tatggaaac atattgcgca tgttatggtg atcgtaaca atgagataaa ctctgttata 180  
atgataaaac atagcaacct accaattttt gacatcatga tcaaaccaac aatgtacccc 240  
atcaaaccua aatattctgc caaaattctg aaataagggt cagctcgaat gacatctatg 300  
acttgtaaac atgagaatat gtcttgattc caaggacacc tcgaatggtt ttgagattat 360  
atggtaatt tacccattca ctgtgaatgc tttcactcct atttttgata tcatagaacc 420  
aatctgccta cgattgaaag gcttgactc c 451

<210> 33065  
<211> 204  
<212> DNA  
<213> Glycine max

<400> 33065

gacgggagct agcttacaca acgctacaat ctcttttat caacggcgag aggacctcac 60  
aaatatctca gggaccaata aacgagagaa ctgcttaact ttttaggagg cgtataacta 120  
aggagtgcaa aaaattatga cagccatata gcagataccc tcaaatactc gagaacgaac 180  
agcagtcact acataaaactt tggc 204

<210> 33066  
<211> 318  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33066

gccccgagtgc tctgccacnt aatctagcag ctgacaccat ggaaagatac tttttgaat 60

gtcgctctaa atgatggcag tagttcaata caaccaggca aataatttat catgtatgg 120  
agtgtcatag ctaatatcaa acattaacaa gtaattgatt gccacccaac tcggtgatt 180  
ggcttactaa cacaatatca aaaaaaccct tgctagttt taaagacacc ttacttattc 240  
cctgtacaac gttctaataa tactatttat ataacatttc caagttcga gagctataa 300  
cagtctatca ctatcact 318

<210> 33067  
<211> 392  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33067

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caattcgcta actttntacc aaaatattaa ttattataatt aggagggca tacaaggaaa 120  
tatattttca aaacctattt aggaataaat ttaaataaaa tacaaaatca aatctattgt 180  
ccgaaggggag cgccgttggg tttctatcc taaatcctac cattttccct tttcataatt 240  
ctcaactctcc gcaatattat ttcccttcaa agtcattggg aagttaaga catnnnttt 300  
ttataattnt ntgcccatan aaaaaaaaaa attccatgta tcgaanattg aatattcaat 360  
gtaaaccaca accttaattt aacattatat tc 392

<210> 33068  
<211> 478  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33068

gggagaggag agtcagagaa cttganacca aacnatagca actnnnccaa cgttagacg 60  
aattatttac ctttagaaaa ctgcgcgtg gacagacatc gctatagaga tatccaactt 120  
ttagggcaca tgctacacaa ggcctggcat cagttacatc cagaactgag gccaacaga 180  
catacatatc tgctaaagaca tacttttct tgcaaaacta catactacaa acttttctt 240  
agccacctgt accttgccta gaagaacgag tgcataa gaccctgcct aagatcgctg 300  
ttcttcaaga catcaaggac cccagactga gcttacgcat tcagatggga ccgttggcta 360

ctcaattgga ttagcgcccg ttccgaagac tggtgatgaa tctctcaatc gacataatct 420  
caaagtggtg ttgccactcg tcctagcgtg aagggtgtgca agactcaacc aaacaccg 478

<210> 33069  
<211> 272  
<212> DNA  
<213> Glycine max

<400> 33069

tgaagctctg ataccacttg ttggacaagt ggcctcagat ctcttaacaa cggggggggtt 60  
gaattaaaaat attcgaaaact ctttcccctc attaaaaatc tatcttactt tttacttaag 120  
ttatgaattc ccttaatgac aatcttgttataatc cacatgaagc aacttgacta 180  
tgaatataaa gcactaatac ataaaggaga ttatcgaaag agagaatgca aactcaatta 240  
tatacatgtt cgccccacaca cttgtgccta cg 272

<210> 33070  
<211> 213  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33070

tactcacgct tcaagaaaag gcccaactct ccttagatcatatntcat gttaaataa 60  
gtggctntgt tcgtgcttgt ggccttagcg caattctgaa ccgcttagcg cgcattagtg 120  
aattatggct tagtgtggct cttctcgctc agcggatgga ctaaagcggc ctgtttagcg 180  
ggttgaccct tctctcagct aatatgcaca act 213

<210> 33071  
<211> 381  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33071

agcttntgcg gattttgnng tctttgccag tgaagggaa atcgatgtgg ggtctaanan 60  
ataaggcgaatgtca cccttggctt ggaccgaatg atgataaact gggcaacat 120  
gaagaagggt gagggatgaa ggggagaagc ccgtgcttgt gaacttgcca tttccaatac 180

aagcccaagt ttctcaaccc aacccaacaa ttgtcattat ctcagccaat aaccaaSacct 240  
tctcncttac tccaccgccc agttatccac aaaggccatc cctaaaatca accacaaggc 300  
ctacctacca cacttccaat gacaaacacc accttttagca taaaccaaaa caccaaccaa 360  
gaaatgaatt ttgctgcgag a 381

<210> 33072  
<211> 287  
<212> DNA  
<213> Glycine max

<400> 33072  
  
ccatggtgat atctgactga acgaaaaaac cccaaatcaca ctcgtacgt ggattcttca 60  
gcgctccaga tacgaattaa tgactcaagt tctaacctgc tataccatta cacgctttag 120  
ctattgaatt catttcccct gaatgagaat tagagcttgg agaaacttt tcgggttctt 180  
tacaaagact ggcagataca agtgcgtaa aatgcgtac gctccgtct aaacagaggt 240  
gcatagatgg cattgtggac ttgtattggc gcttcaatgt gtggccc 287

<210> 33073  
<211> 362  
<212> DNA  
<213> Glycine max

<400> 33073  
  
agcttacaac attgtcggtc atatcataag tgcaaattgca atagaacaag cgatattttg 60  
cttccaaaca ccccacattt gtcgggtact catatcataa gtgcaaggctt atattgcttt 120  
agaaaaacat taatgcaact ctatatttt tctgttttga cctgagggtt acaaattaca 180  
tattcttccc atgatttgca tctgttgctt gcaaggcttat attgctttag aaaaacattt 240  
atgtatccat ttgactgtgt tatcattaaa ttggcattgc tatttttagca atcaccaatg 300  
atcttgtaaa cttatagggt tggtaatgg taaggataaa aagggtggata ataaagttgt 360  
at 362

<210> 33074  
<211> 261  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33074

tcaagaatca agatcaagat tcaagattca agactcaaga atctagagaa gacttaatca 60  
agataagtat gagaatgatt nttcanaaac tgtagtagcac atgaattttt cacaaaacat 120  
gtttacccaa gggttttac tctctggtaa tcgattagca aattgctgta atcgattacc 180  
agtaacaaaa ttgttntgaa aaagttntca aattgaattt acaacattgc aattaatttc 240  
aaaagtgtt atcgatacaa t 261

<210> 33075  
<211> 213  
<212> DNA  
<213> Glycine max

<400> 33075

caactgacat tgcgcttggc ggccgcgctt aacaaagtat tttctacacc tactgttcgt 60  
tgatttgacc aatgctgtta tggaaatgtt tcgacaatcc ttcaaaaccc tatggataca 120  
ttctgaaagg ttggttgtca tggtgccata tcaacgtcct tctctatcat aagccatcgt 180  
ccatttttac tggtgaattc gatcaaccca tgt 213

<210> 33076  
<211> 533  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33076

aggggaggag ccagggttag anngtacctn tctnatctca nacnnntaca catccngnnn 60  
tccnnntcag tcatalogaac ttatcttct cagtttca ggc当地ggc ggaaacctct 120  
ggccaaactc aaacccaaaa tcacagctt ttctcactta aagaacccag tacattttct 180  
tcgttccat cattcaccgg tggaatgact tggaaatttt ctggaaagttc atagtcataa 240  
atctacattt tgaccgtcgg gatctgctag aaaatatcca aacccatata gtactaccct 300  
cttcacaacc aaccatacac aagcatttt ctgcacttat acacaaatct tgctgacatt 360  
tcaacagcaa aattctgcat aaagtgcaga tggcaagac cactctngcc ttcatccat 420  
nttgc当地aaa tcgaatncta catgtcccaa atcatgttca aatcatgtct aaccaatgac 480

aagcttcaga ctatagcaac acacaatcta ggtatccaaa cctctcatta atg 533

<210> 33077  
<211> 291  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33077

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gggagggtat ggcggaaacc tccccggtgg ccaaaccaac acttattacg tcaccgccc 120  
taagaaacgg agctaaaaca cctgcacccg tcagcttcac cagcgaacta atatgaacc 180  
cattaaaaacg gcagcttggc ccacaagcgg acatccctaa taagggatta atgttatata 240  
aatgggaccc caccgagagt agatgcggct tgcggccctt taatcacggc c 291

<210> 33078  
<211> 281  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33078

gagagtaata tgtgcaccnc acaacnaaca ccgaccagaa ggggattatt tactttcaac 60  
cggggaggag gaaaacccaa aggacccaaa gccaacccgca cagggAACCC gccaaaaaag 120  
gagcgccacc caaaaaacca aagagaagaa aacacgaaca cgcgaaacca cgcaaaaaaa 180  
aacaggagaa caggaagaag cgagaaacgc acagacggaa aaccaaaaaga ccagcgggaa 240  
ctaaccagcc ggaagtggaa gaaggccgg caagacccgc g 281

<210> 33079  
<211> 372  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33079

agnsgaaatt attatctatt tacttnact catnnatnta ttgattttat gtattatagg 60  
agaactaaa ataaacacgg ttgttacagt aatcaattac atatccatgg taatcgataa 120  
ttactttgtt aatcagttat aaaactgttt tgagcttctg gtaattgatt actagagagt 180

aaaaacttg gtaaaagatt tttcttgaa naattcttt ggacaaattg tgctattcaa 240  
tctttcttt gaaaaattct ttttatactt atcttgatga ttatctttag gctcttgcatt 300  
atcttgagtc ttctcttggaa tctcacttga atcttcttga tttcttaat ctgtttgaa 360  
aaatcttgg ca 372

<210> 33080  
<211> 520  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33080

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atntcatgcc gggggacctt cttctagtat tcatttctac agcatcctcc aaccctttg 120  
ccttcccaac tagagcaatc ccaaccaaann aattgggaaa aaccggaaag ggagatctt 180  
gagaacccttc aggaaggtga nggtgacata cctctgctag atgccctcag cgaattccag 240  
ataacccaag ttctaatgag tgtgcaccat aaaagaagct caaggcaata aaaggattaa 300  
catggcagat atgtgtcacc ttgataggaa atctgttctc acattcctga gaaatgtang 360  
gaccangtac tttctgtata ccctacattt atngngaaca atanatntga gaatgctttg 420  
ctagatctag gagcatcagt tagtgtcatg cctctgcccatttcaatctta tctttgacct 480  
ttcatctaca atggggatca tttgcaatag agtgtgctcn 520

<210> 33081  
<211> 296  
<212> DNA  
<213> Glycine max  
  
<400> 33081

ttttttgcca agtattcaga ctgccttat tcattttaca tttcttagcct gacaaatcac 60  
actctatccc ttgcaaccac ctctgcaatt atttcataat caactgctgc ttgaactatg 120  
gactgaactc ctacttcagt tcttggtgtg ggagacttgc ttctgtaaag caaaatgatc 180  
gtaaaacctgt gatcctgatt ttccatccta ttttaaagcg gaatttcaca taatttcgtt 240  
ctgatagatg attcactaga tcagcaaaat aaaattgttg gtcaatagaa ccttac 296

<210> 33082  
<211> 162  
<212> DNA  
<213> Glycine max

<400> 33082  
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cctgacggca aaatacgta attttgtcaa taagctctct ggccgattgc tccttagtct 120  
ttgcagtgtat gccccggctc aagctaatac cgacctttcc gc 162

<210> 33083  
<211> 260  
<212> DNA  
<213> Glycine max

<400> 33083  
agcgtctcgatatattacga gtctcgagtc aaacatccga gacaaaagtt attgtcgttt 60  
gaatttgctc acagggtcaa cattcaattt tgagcgtctc gtttatatgac aggactcaat 120  
ctcacattct agtaaaaagt tattgtccgt ggaattggct tagagttca acattcaata 180  
tcgagcgtgt cgatatatga tgggactcaa tcagacatcc gagtaaaaga tattggcgta 240  
gaattgcgtat cagttcaca 260

<210> 33084  
<211> 551  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33084  
aaaggtggac ggaatgcgtat agcancnccg cgacactcta caatacnnaa cactngagat 60  
canngaagcg cnngaanagg agagacatcg ctgtctcatt ttgtcgacca tcagacgcgg 120  
caccctggga gatagtgtcg cggggagtca aagagacctt tngggaccgt canggtgggt 180  
gtgctaattt cccataacca cagctgtgac caatacccgaa cccaaaccccg ggcataaggct 240  
ggtcagtgtgag aacctgtgtat gtacctaagc acgcgagctc ctngcagtca actgattaaa 300  
ggaacaaaga ccacaaagca cggaggcttgg tggggctgg ccaactctga attttgtgt 360  
atatgtggat tatggcctct ggtgatcgat accaagggtg ggaatcaatt caacggctta 420

aatgacacag gagactagat gtctctgtaa tcgataccag gggcgtatcg atatcatctt 480  
gatacnaagt catgaactaa tgacgctctg gtatcgattc cacccagtgc atcaatacac 540  
agagggatgg g 551

<210> 33085  
<211> 289  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33085

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cgggcttatg atcccaacat ggttggctcg tgggcctaa cacatgaaac taagaatgta 120  
gtgtgaagtt tcacgcttcc cccttnnnn gttttgtctt gtagaggaga atgcaaggat 180  
gagcaaacat gaaaaccaat ggtatgcaat ttgcagatc aaaatagttg ttgaacgcat 240  
atgcctgatg atgccatgac tcatgcaaaa tgtgacgccc gaatatgat 289

<210> 33086  
<211> 525  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33086

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cnannngcan gcagaggagg aggaggaagt gaattgttct ntctccnana caccgacgag 120  
aggcgccgggt gaagcgaatt gcactcacct acagagcaca gaccggacct gagaccttgc 180  
atacctcaac gcagggcgat gggacaatac aaatgctatg ctgcaaatacg cgacaataga 240  
catcatccac cgtcgatacg gaatcgacca cgcctgaaca gatgcgcacc ctcctagcaa 300  
ggataccacc gtcgaaagag aataacactg attgggaagg cgtaccctca taacagacaa 360  
agaacgggcc ctttcttcca aatgccgtag gtcctaggaa ccataatttc ttaacgctat 420  
gacaacccaa tagccctaatac actgcaagcg tggagcggtt ccacaacttc cttaagaact 480  
tggtaggcac agcggttgcac acatcgacta cacaagaacc aaccg 525

<210> 33087  
<211> 550  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33087

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annncnccnn nnggnnagaa aggngaggag caaggacgta ttacnattct tccangacaa 120  
cnacacgcgg cggcgaggga tttcttagatt gancccacca ctgcacgatc aagcctcatt 180  
tcaagttccc tgaccagaac atatgaagga tctacactcg cgagaggggt ggttgccaca 240  
ttccagagac gatgcagttc ccgtttcata caccaaacgc ggaggacttc acatgcggg 300  
tattcgacag actcttacac ggctcacata gcataggctt ggtctgcgaa agagttttc 360  
tgtaaactat gtgagttgc cacatttttc ctctttctta tcgatggccg gaggcccccta 420  
ctttatcaca actttccgtt gggtttaccc ttcccacatg gttcgacccg gagtattcgt 480  
acccacgggc tcgggatcga ctcccccgcgc atttatctat gggctctgac ccaattgcga 540  
ccactcagcc 550

<210> 33088  
<211> 494  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33088

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agaaagaaag ttattttcc actttgagcg aaacggggag gagatggaa cttttctaat 120  
actagaaaaca atgatggtcc catttcaatc taaagtaatc ctaagctatt catgtAACCT 180  
gtcctggct gccagcaagn ggtgaaatct gtgaagtacc catattccac tgctatTTAG 240  
actggtagcg agctgtggag ccgcaaACAC actcgaattt ttgcttaagggt gggcggcaat 300  
ccataaaatat attggaggTTT gttgttctat ttcatacga aacgagattc gagtagttgg 360  
gctatatctc gggctacac ttctaaagata tgattggTC gtgatacttt cctaaaggta 420  
atctataactg actgtaccaa acctccatca ctggccgag gggacttact cactcgTTT 480  
aacacataata aacg 494

<210> 33089  
<211> 354  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33089  
  
cagtagagcc tagacatgan acnacacnaa caacccnggc gcgggggggg ggggtggtn 60  
ccactcccccc cggggggggg gggaaaaacc acaccccccgg ccgcgaacag aagcgagcga 120  
acaaaaacaga gcgcaggggca aaccggacaa aaaagccgaa gcacgcaaac acggggagga 180  
cgagcaagac agcaccagcg ggagaaaacac aacagggaaag ggacagagaa cggcagacgc 240  
gcggaaccca accacggcac accacagaga caggccggc ggaagggac aaaggcacgc 300  
gagggccaca acagcagacc ccaccacgccc aaaccgcaag ggcgagaaga gggc 354  
  
<210> 33090  
<211> 363  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33090  
  
agcttttggaa atatatataa tgtgataact ntaccttagtg gttttgtaaa gctcaaactg 60  
tgacaaaaaa gcactggatg agaaataatg aanaacacca caactgccaa gggatttcat 120  
accacacctat ctcattttct tgctcccttc cttgtcaccc aataaaaata ataaaaatat 180  
gatgtatggn tgaaaaataa tgttaattnt atctgttgag gtgatcattt ntcttttgg 240  
gaggaagaag gaaataactct aaagaaacag gtaattntat tacatcttac aacaagaatg 300  
cangtttccc attggtttat canaataatt ttctaattat tttataaata aaaacattat 360  
tga 363  
  
<210> 33091  
<211> 397  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33091

gccagagtat gcatgattcg accatnatct cagctggaaa aaataaagggt tcgggttaag 60  
atgtttctc tccactctgn gngaagcgaa aggaaagacc atgttcgaac cttgagggaa 120  
agtacatggt gataggtta tactatatct acggccaggt ggaccagttg gagtcctaa 180  
attttcctgg tttaaatgtt gcttctggta taaaagctct gattttaaat aggctgaatt 240  
caaattatct gttttttct cttagaata ataatgtta gggctatata caagctccgt 300  
accttatgga ctgagtgtga tccttatgaa ttcataataat gactgcgtgt gacttcttgc 360  
tacaaagttg ctcaatatct gatttcatca tgcncaa 397

<210> 33092  
<211> 546  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33092

nntacgaaa gtcccgacng catgnctct gcnatctca gctntacgaa canaatggcc 60  
tcattcttt ccaaataatgc tggtaatt ttgtacgcat caacaagaat caagcccagg 120  
ctatttgcc agcacatcat gggggcaaac acaccaaatg attatgtga tggatggctc 180  
caattctcac aaaggtaat cattacttc caattgagcc tttcaaacta tcatgacatg 240  
tagaagagaa tcaaggattt caagtcacaa aatgtcgaga acttttattn ntcaaacaat 300  
tacccatttc tttgacatat cctataattc anagaanaac atgcanattc gtacgtgcac 360  
acaaaaatnga ccgcaaatat taaactaaaa atccgacgaa actaacaaca ttaacaanat 420  
aacacaacta acagattaac aanaccaaca aaactagcca aaccaaagaa cacttcccc 480  
cccccccat acttnaacaa cacatngtc tcaatgttagc acaatttana gaataagaac 540  
cattan 546

<210> 33093  
<211> 365  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33093

ggatgtctag cttagagctca ccaaacacaa cgtagccgccc nngccaagag gagagagata 60

attncccaca acccagcaga ggcggtaggg gacacaacaa caccggggg gaccgacggc 120  
gaacaaaaaa cagggggcag acaaacaggg ccaaaacccg cggcgcccc caacagcggc 180  
ccagaagaag gcggggagcg acaaagagaa acacgcgccc gcacgaggag caagtgcggg 240  
caaccaacac gggaggccac aaccccaaca aaagagggac ggaccgaggg cgggagcaac 300  
cgaaaacggc gggacgaaaa gggcggactg acgcagggcc aaacgagagg gggcaggcag 360  
aaggc 365

<210> 33094  
<211> 401  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33094

ggagagcgca tcgagcnnc anaccacacc acacgcccag ggccgagagg ggggtgtct 60  
tcggctnnnc ccgccccggg accaggagaa aaccgacgccc agagggccccc ccaaaggagc 120  
gccccggaa aaccacaccc cagacagccc cnnggagaaa ccacaagggg aaggacaggg 180  
ctgccaacc ggacgacccc cgctactcgc aaaaggacgg cccgcggac gaataaacac 240  
cgcgaccgg gggggccgaa gaaggacgccc aggcggagac cccgcaccg ggcccacgca 300  
gacaggaacc cccgtcagcc ctggggccg gagcaacacc acccccagg gggagcggcc 360  
gccaagagcg aaaagggcag accgcccagg ccgacaaggg g 401

<210> 33095  
<211> 137  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33095

tacagcagta aattggaggg gagcgatcct tgtgttctga ctctcaacca cttatgatag 60  
ctgccatga tcccattact gcttcncta agatctctgt actttattca aaccgcattg 120  
catgccttgt gaactcc 137

<210> 33096  
<211> 477  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33096

gcgacaacag cgagagggtt tttgatatga tacccgcaca attatanacn accnnnnccc 60  
nnnagannng nctgctctga ggacaacacg tttaactct ccccccgcac gggcggatgg 120  
cattgccaga ttagatacgt cgagaacatc ttgnattgct tatggagtat gcttcaagcc 180  
gaagagggat taatagacaa ctgcctgct tctgaggtgg aaagaagtga nagccaggat 240  
cacccgagat cgatgacggtt gctaagataa atancgtgaa ataaagaatg gaaccaaata 300  
ctcattactg ctgaaagaac aacatggga gaataaatct tgtccagaag ttatccttcc 360  
aaatcttggaa ggaactcttc taatataaga aaccttggga ggaaaaccac aaccaagttg 420  
tctgattctg attttgtcat tcatttgcc aatcttgtgt atgttaatat ttaatcn 477

<210> 33097

<211> 493

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33097

nncggcggc aggtccgaag tcnnccntnn atacancnca cgcagacann ncggaggcta 60  
caggagagnn gttatgtttt ccgcgcacca cccctcgccg cgggactgga ccggaaacac 120  
accatagcca accgcgcaccc accgcacatgcc gatcgacccg cataccgatc tagaacgatg 180  
ggtgatcaag atgagacaca gcatcagaag acagccgacg aggcnccgag aaacaacgaa 240  
aggccccacg acagtgcact gcttaggaatg agagcacgca gcgcaaaagac agggccacag 300  
cagccgttgtt aaatgcagat gccgaatctg acgcacacac aatggggacc gcgaccagg 360  
caccacaaat cgactaagct gcgaaagacc acatgcgcgg atgcagcctc ccggcataca 420  
ccgacaggca cccgatggat gccgcacca ccgcaacaac ctggnacgaa gggccaaatgg 480  
aacccacactg aac 493

<210> 33098

<211> 147

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 33098

gtttatatan gcacatatgt gagaaaaact aattgatata agaaaactagc tagaaggaa 60  
attagaaaag tgatcgatat agctgtgatt ttgtgtttgt atgtgccac atgagagaga 120  
gagcaatgat gacattggag tcatacat 147

<210> 33099  
<211> 492  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33099

cncaagcgag ttgatgantt catgacantc ttgnacacna catanacnca agctagccac 60  
ccanatcgcc caggagagca cagtcgcct tgcatacgntg gggtgcttcc tcacgaggca 120  
gcggtctatt tgaggattat gtgaggaagg cccaacagtg ctctgtctgt tatgtgcacc 180  
cacatgatca ctaaacacacc cctgactact ntgagggaga actctttacc agagagtgca 240  
cgcgctacaa atttgaaca caactttatc gccttacaga tgttcagaac actgctgatg 300  
attatatgat cgtatttgac tactgccgtt tctgacctca ctaagagcaa agacgtcat 360  
aacattgacg cgagctctga aattatata gaggcatctt tggatttgat tgccattcc 420  
ttaatataaa aaccctatgt ggtgccagct ctaaagacat acaagtggtg tattacatag 480  
accgcgatga gg 492

<210> 33100  
<211> 351  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33100

agctttcat attcttattt ggtggctnga attaccttac acatacaagg cttgatata 60  
ctcgttgtt gaggtagtt tcaagatatt tgcactctcc aactaagcaa cacttatgt 120  
caacaaggag ggttcttaag tatgtgcag gttcaatcaa acttggagta ctatgt 180  
gtgtggataa tttcaagttt gttggctata gtgatagtga ttngtaggg ttcttagatg 240  
ataganagag tacatcagat tntgtattca gtcttggctt gggagccatc acgttagagct 300

ccaagaagca agacacagtt gctttatcat catctanagt ngaatatgt a g 351

<210> 33101  
<211> 419  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33101

tgcattttcc tttttgttat tgtgtgtact ntgactacga ttgctaaaag aacaaaatgc 60  
aatgagtaat gcgacaacga attaaacatg aatgcattgt aatgataagt tgtaaagta 120  
ttgaaaccac atagaaattt cagcanagac atagggttga atcacatctc attntcatta 180  
agagataata ttgttatct tgtcaaagcc aaagcataaa taaatacaaa cgtcttagcg 240  
gttcctaatt atgtgggaca tcaactcgat catataaaga caataatcgaa aagccccatg 300  
aacttcctca ggagccgagt atacatccgc cattgcctt gctctggcta acagccttgg 360  
aagctcttga ctcccattca gagtgaaagt gaacctatcc atccacttca taacttctc 419

<210> 33102  
<211> 462  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33102

agcttgtata tctgccactg gttcagctcc aacactaacc aacagcactg cttccatcac 60  
caaggcagct gcaaaaatga acaagagggg cagttcttg tccattntcg gctctaacag 120  
agaatataa cagttcacca caacttggac gtaaagttagt gcctccacta aagatattgg 180  
tcaccttac aagataccaa agtgttggaa taacgaagga tcaatttagac aattaataaa 240  
cacgactaca ggagtgtntt ctttatatac gcaaacttga accaaagaca atngtgtatg 300  
tggcttggaa gtatgtaccg tgtgcatttt actaagatta tgctaagtgt ctgttgagtc 360  
aaaatatgca cctcgtgtaa tcgtgtctga catggacatt aacccttta acattntgt 420  
cattcgccata ctcgattggt gtttcttaat gactataaca aa 462

<210> 33103  
<211> 240

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33103

taatccgagg cttaactatgt ttgccttatg cnctttggc nganaaacag tatgatattt 60  
aatgatatgc tgatacttac agtcagaaca atgagaatga gatccttggt acgctntatc 120  
ttccagacat ttatccct ctctactatc cacgagacta ttgcactaaa gatggctcaa 180  
gtaagttata ataagaaaca ctttcattgg ttccggatat cgctccacgg tttctttcta 240

<210> 33104  
<211> 461  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33104

ttccctgttg tttcttttag aagctntctc aagaggcttc tttgagaagc tagatcctta 60  
tctaccacaca cccttctatt aactaaatta acctccttga aaataattac ggataaaaaaa 120  
taacataaca aataatcaaa catcaaacat aattactaat atatatatat atatatatat 180  
atatatatat atatatatat atatatatat atatatatat acatatatca 240  
gggtgtgaca actctcccac cctcttagaa atttcgcct tgagatatac cttaactcaa 300  
caaggatggg ttagtntctc gcatctgact ntctaattcc cacgtggcat cttcttctga 360  
tgcaccttcc cagatcacct ngaccaacga natctctntc tctcttaggt gttgtgtcgc 420  
ctattctcga ccctcaaagg caatgttata tatgtcata n 461

<210> 33105  
<211> 294  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33105

tatcgtaatc gattacacca gttatTTGA gacaatggct atgttatnta ggagtctctg 60  
ctttaattga ttatcatgtg atataatcaa tcacttctct ttctataagt gtaacagaag 120  
tgaacaagaa cactntagtc gattacttg agtatctaat caattacagt gttcttgaac 180

cgtttccagt tttgaaaga acacttaat cgatgtaaaa gataatctaa tcgattactt 240  
tattgaatta tttgaatgag ttaggatcac ttgccgatat tagttaaaga aaga 294

<210> 33106  
<211> 431  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33106

agtctagtgc ttagtatgac ttcttgatac cagtgtaccc aaatttagtta gatgccaact 60  
gtaggcaatg taatgtacta cagttccctct taaattnttc tgctgttaagt tctatttgg 120  
ctaaatttat ttaggttatt tccaaattgca tgtcagattt accccggatg cctcttgaga 180  
tgagatatac agccatggac ttagttgtt agtctaacag agattatagc ctaatagaaa 240  
accatataat ccatttcctt cggngttctg tgagaatttt ttntggttt ggttcttggtc 300  
caagtaaaag cgtataatta tagtttgctt tgagatccag aagatantag gaagatagta 360  
ttatcttnn tctgaatttg ctatcttcc ttattcgata ggatttggtg aacctacctt 420  
catatatcca t 431

<210> 33107  
<211> 508  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33107

aaaccaggaa aaagggtttt gaagtagcnt ntanactct angcctcatg tanaccatgg 60  
atgaaggata atctaaagta gttatttata taattttttt acctaatttg gggtgaaat 120  
gaatataattc ctaatattaa tttcaaaacc attcaatata tatataatag gttcaataaa 180  
attgctttg gaccacaatt tttggtaatt taaaaacaa tataatttga aataacttct 240  
aatggatat atngattcat atttcattaa gttactctt ggagaactga gatanaataa 300  
taaaagtaaa tataatnnta ttcttatata tatataatttga ataataaattt atatacaaag 360  
tattatttata aaatgaatan atagatctaa atggtaaaa ggatataac attcttngag 420  
ataaaatcat ataaacacat ggttagagata tattggtaa ttgcgcgatta tattattt 480

atataattatg ataattaaat ttctttatn

508

<210> 33108  
<211> 276  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33108

agcttataaa tatctaaatt attatnntaa ataaatattt gtttgataga ttagatttaa 60  
aaatataatt gtcaatgata ttntatatca ttntatgtta aaagagataa aatntacat 120  
gtaaattaag atattnnta tttatcaata tatntataac gaatgttcta aaatttagaga 180  
ttgaccactc aactaaagtt gattaacata gagataaaag taagtgttat gtgtacattn 240  
tttaagagcc atataagaat aaagtgaaat tgacat 276

<210> 33109  
<211> 544  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33109

aaaacagact gcatcggtca ngatgatcca ntgcgaanaca cacaagccccg aantgaggaa 60  
gngtagaagg gtgagacatt ctggctttat ttcggttacca catagctgnt acctgaagat 120  
atgntgccgg tggtcaggat acccttagcg acctcagggtg gtgttgctat ttccacaacc 180  
cagcgttagac caatcccgac caactcggtc atagtcagtc aatgagacac tgtgatgttc 240  
ctacacaggg agtcctggc agtcaacttt ataaatgaac agagaccaca agccatgacg 300  
cttgtgtggg gctggccagc tgtgaaactt gattgctata tgggatgtgg cctctggtaa 360  
tcagatacca atggtggcga atcgactaca atgctttata ttgtgaagac atgaagctat 420  
gatggcctct gggtatcgac taccactggg tgaatcgatt accaccctga atatgngatc 480  
atgaatctaa gaaggcttct ggnagccgat cccaatgggt agaattcatta tcaggttagg 540  
aatg 544

<210> 33110  
<211> 285  
<212> DNA

<213> Glycine max  
<400> 33110

agctaccaag ttttagtta ttcccaaac tgccaaagcg agcggaaag tctataaca 60  
cttccgttgc ccatcggtt ggggtgaaag tggttgaaca aacaattaat gcccaacttc 120  
tccacaaagc ctccgaaacg catatatcaa gccgtagata ggatgcctaa ttatggtg 180  
atgtttaag ggctctaaat cagatcaa atgcccatttc ccatttttta tggatcaa 240  
caactggacaa cacaggactc atctatctct acccaacttt gctat 285

<210> 33111  
<211> 627  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33111

ggggnnnccg caggtagttc attttctat tgtacnnnnt cnnnnanaan attcatnnna 60  
cnncnacgn nanncacaan nnngagcan ngagggaaa aaagagagca ngacgnata 120  
nactttancg cnccananc accacacgn acncggcga gcggggaaac cagcaccaaa 180  
gaaaacgaga accnccaaac aacgagaaaa acccgacgca aagaacgaga acacaagngc 240  
gcccaccccg gagncaaaaa ggaaaaggga ccgnngcaaa ncacaaccaa gccccggc 300  
gcgaaggagc acagcagcca cgaacaaaan cacngcgacg cacaanagga caagcccac 360  
caagaagagg acccgcgca naggaacang cncagaagcc cgaagaaggc aannnccaag 420  
caggccgac acacaaccag caccaancc ggacaagcc agncgaaacc naacggcgc 480  
gcaaanncag cacagaaccg cccagcaaaa anacgagcgg cacgacacaa cccggaccc 540  
ancagaccac gaannnaaag nganaggcgn cgggaccgacg acgagcaccc gggncggcca 600  
cgacgacgca ggcangaccg cacgccc 627

<210> 33112  
<211> 337  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33112

agctntncac tcttatgtct gnattaagcg cataatatat cgagaanggc ggaattgatc 60  
aatggaagct cttgagcaat tcaaatgatc ataactgtta actccgatgt ccgattcacg 120  
cgcataatat atcgagacat tcgaaattga acaatggatg ctcttgagaa atacaaatgg 180  
tcataacttt tcactctgag gtccgattca gactcatcat atatcaagac cctctaaatt 240  
aaacaattgg agctctcgag aaattcatat ggtcataact attcactcg acgatcaatt 300  
caagcgcac atatatacag acgcttgaat ttaacaa 337

<210> 33113  
<211> 544  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33113

gcaaggcagg tattcntcct tggtaacttgc gacacttaat tactaagctt gcatcgtgct 60  
tttgccttagcg gaggaaatat gactaccatg gctatgacca ccgagagcan agagnggagc 120  
cgctgangga ctacaaagct ctctcttgc aacatacgat cggtgttagaa ttattagcca 180  
gcttgagcgc gaacctccat agaaacgttc agatcgtcaa gatattctat gagctaacag 240  
tcatgcactc cttagccgatc tatgtgtgat gagactccat aggacctacg ggagcaaaga 300  
agttagattt gatttacatc acacacgcct ccgtggctga atatacatac ctgcatactt 360  
gacgcctgtt tgggtacctc aaacgatacg tgctgacatc ttggatattt taagagccac 420  
gcgttagtcaa actggaccat gacacattgc tatctgccct agattgacgc tcctgtgaag 480  
cgttatttgc aattgtatgt ctctaaagc cccggcggac aaaacctagg ttccctttattt 540  
aaaa 544

<210> 33114  
<211> 346  
<212> DNA  
<213> Glycine max

<400> 33114

ggagaatgtg aatgtatgtt tacatgattc tcatgtatgtc aaaagaagaa tcacacaaga 60  
ctcattttgc ttcaagatata atacaagatt gttcaacaa acaaaggcctc gattcaagat 120  
ttcttcaaga tcaaggccttgc cctcacaatg aaaggttca tgtcattcaa ggcacatgtt 180

atcgattacc aatggtttga aagtgtgtaa tcgattgcac atcatatgt aatcgatacc 240  
agagactctg aacgttggga attcacattg tatatgaagg gtcacagcta ttcacgacta 300  
ataactgtgt aatcgattac actaattcta taatcgatta ccagag 346

<210> 33115  
<211> 196  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33115

atgagaagct agagcttanc tacatacccc ctatagtagc taaaactcacc cctatgccag 60  
aaaacatgac aatataaaac aagtgcctac tacaaagact acttccaatg aatgtgagtt 120  
tattgcaatt acacaatcac aaaatggcc tcaaccttgg tggggttct ctcttggtg 180  
attcactcaa tatgga 196

<210> 33116  
<211> 364  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33116

agcttgtaat attaattctc cttcagataa cctctcttag gtgagaggcc atgaatggtt 60  
ntatatctaa cgcaccttgt aagcaaaaga atctccagtt tgaagtgtag acaatgcaca 120  
aacccaattt actgtatcct anaatttact ntaattatga agaacggtgg tgacaaggat 180  
tgaattctt accacttggt cgtaaaatcc ttggtaagag ccaactctc taaaagttt 240  
agctcttagg tagaggttta ttcatttgc gcactaatg atgttataa gtcttatttt 300  
tggtgcatat cgatgttggt aactacatac cggaaacttg atttggtgca nacattctt 360  
atta 364

<210> 33117  
<211> 294  
<212> DNA  
<213> Glycine max

<400> 33117

acattactct tagagcaaga tggcgtataa ctcctccca taaataaaaa catcaatgt 60  
aatttagagc aagcttatgc gcatattcc ttactaacgt tctcttgcac aagacattct 120  
attaaccgaa aaaaatgcac ccatacacaa tcaaggcagc gtcgttacct agattatgt 180  
cacgtactct caaagtgtat ttggtaactt catcacacac atctccttgg ctgaattcac 240  
atacatgcat actcagagca tgttgggta ccacaaattt cacatgtgca catc 294

<210> 33118  
<211> 347  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33118

agcttttgc attttctaact gacaataact nttaactcggt atgtgcgaat aagtcccgta 60  
atatatcgag acgctcgtaa ttganaactg aagctctgag caaattcaaa cgacatttaac 120  
atttgactcg gatgtccgat tgcgtccgt aggatatcga gacgctccan attcagaacg 180  
gaagcttga gaaaaatcta acgataataa cttaactc ggatgtctga tcgagccctn 240  
gtatatatca agatgctcga aattgacaac ggaagctcta agagaagtca tacgacaata 300  
actttagact tggatgtccg attgtgtccc gtacgatatac gagatgc 347

<210> 33119  
<211> 354  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33119

gatggagaat acgatttcca tggctttct gatTTgggc tnggaccctt tgagtgtgaa 60  
gntgaaacga gacaatgatn gggactntc gaanacagag ttcttgatg aggttgaaa 120  
tggactttat ttggatacag atgttgatga gtatgactaa cacanttaat tggatcttga 180  
agaatccatg gtacccaact tcaattcatt tgtaaggaag gaatgtagcg atggtaacct 240  
gaaaaatgca ttggtttgg ttgaagaaat gctttgttgg ggacaagaat tgctatttcc 300  
tgaattnnntc aaattagtga gacaactttt gttcatctt tcacaaatca agtc 354

<210> 33120  
<211> 312  
<212> DNA  
<213> Glycine max

<400> 33120

ttaattgaa ccaaaatatg tacgcttta ttattcttg tattgcaa at catggggata 60  
caatcttat tttgtaatgc cataaagcca ctgttatgtt ct tcagtaga cattgaagta 120  
cagttctat ttttcacaca atttcattt aaaaaatcta ccgttaaga tttaacaatc 180  
attgattt caatgagtaa aatcatctat ggagctaaga taatgtatat tgaaatata 240  
aagttaacaaca cttacagttc caatgattgg agtcccaata ttaacaatta taaagtcaa 300  
atcacacaac tc 312

<210> 33121  
<211> 390  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33121

ctcagctata caattataat aaaagaacaa tgacaatnga atattctata catgttcct 60  
ttgatgagtc taatgccatt cttccaagga aggatttct aaatgatatt tcagattct 120  
tagaagatac acatattcat gaaatcatt ctaaagaaaa agacgaagga agaaatgagg 180  
attctcaaga taatgggct agagggaaaata atgaacttcc aagagaatgg anagcctcaa 240  
gagatcatcc cctcgacaac attattggtg atatatcana agggtaaca actagacact 300  
ctcttaaaga tttatgcaat aatatggctt ttgttatctat aattgaacct aaaaatataa 360  
tagaagtcat agtacatgt acatggatca 390

<210> 33122  
<211> 332  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33122

agtatcctt atatgctttg tcttttattt ctctaaagta atgatcaat atgccaaaat 60  
tacctatgc gtagaaaaca tgtgatttct tctcaaaaaa ataaaatcac agggtagct 120

cgcctaggcg agcataccct actcaaatta gttaaaaaag agggggggag ggtgagttc 180  
ttcacccaaa acttctccct ttcactcaag aatgccatca cccatggac tggccatcct 240  
tcactcctag ttcaccatc tttgcgtt ccaatccat tntgcattgt tgatcgccc 300  
caacaagtaa gttcctcatt ctgggtctct ct 332

<210> 33123  
<211> 218  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33123

gacacataga aactcacgct tcaagaaagg cccaactctc cttagaaaatc atatntcatg 60  
tttaaatagg tggctntgtt cgtgcttgcg cgcattgcgc aattctgaac cgcttagcgc 120  
gcattagtga attatggctt agtgtggctc ttctcgctca gcggatggac taaagcggtc 180  
tgtttagcgg gttgaccctt ctctcagcta atatgcac 218

<210> 33124  
<211> 328  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33124

agcttggttc tttctactta cccgttgaag atcgaagaac gatgaagaac gaatgaagaa 60  
cgtcgaagaa cggtcgaata cttcgcgaa attcctcacg gaaatgttc ggaagcgcct 120  
cggttagat tntcttcacg gaaacaattt ttccaagcaa attcgataga gcgagaagtg 180  
cctaagggc tgaaccctt tccacttcac ttcccccct atntatagca aaatagggaa 240  
gatgctgccc gcccagctcg cccaggcgag canggttgct tccttcagaa caacagcctt 300  
ctggaggaat cttctggagg gcccaagt 328

<210> 33125  
<211> 283  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 33125

ntcaccagat catataagat aaangcattc tttcatctgt tatatatcct ccacaatgtc 60  
aaattctctg cctatatatt caaccttcc atcactggca caggagtcaa tcttcctcca 120  
tggtgcaata tttaaagttat attgtcatcc attcctcaca atcagaaaacc acanacattg 180  
ccatatatta tgaaataaaa aacctaactc atactcaaac ataagcacat cacacaacaa 240  
catgcaatgt catctattaa aatagagcat catcaatgaa aat 283

<210> 33126  
<211> 415  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33126

agtttcctct gtgtcatttc ctgcgaaggc aaacatttg agagtttagtt ntaccaagaa 60  
atgctattct taaaacgaaa atggcatacg acctccccca ataacacaaa catcaatgta 120  
aatttagagc gaactcatgc gcatacttcc tttcgaacat tcactcgcac cagatattct 180  
tctaactaag aaaaatgcac ccaggcacaa tcaaggcacc ttcgttacct agatcactta 240  
tatgtacttn caaggtgtat ttgctaccta catcacatgc acttncttg ctaaatntac 300  
atacatgcat actcaaagca ttntggctac caaaaattgc atacgtgcac attctggat 360  
ttctaataacc tatacatata caaactntgt gatgaatctt ggctacctac acaat 415

<210> 33127  
<211> 483  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33127

cgtntatgt gatgaacatt ggttaatggt tatgcatgaa gagtttattc aatttaagag 60  
agatgatgta tgggatttag ctcctaaacc aacctctcac aagtcaatcg gaaccaaatg 120  
ggtgttcga aacaaacttg atgaatctga catcacagta aagaataaag caagattgg 180  
tgcaaaagga tacaaccaag aagaaggaat cggttatgat gaaacctatg ctctagctgc 240  
aatgttagaa gctataagat tactacttcc atttgcttgg attatgaatc tcagaacttt 300

ttagatggat gtaaaaaatg tcttccttca tagatgcatt gaagagaagt gtatgtatg 360  
caaccacttg gatttgtgca tatgacacat ctaccatgtc tacaaacaga caaaggctct 420  
tattgttga agcagcacca aggccatgta taatagattt ccaattgtta attagataat 480  
ctn 483

<210> 33128  
<211> 282  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33128

agcttggattc gtgtttgtt ttatctntag tancactttg gttatttagtc gattcattca 60  
agggaaacgtc caaagaanaa cgtccgattt attnnnntta ttattttatt caaacatatt 120  
ttgattattt tattattttt ttgcctttt ggatttaacc gaggttacag cgtgaacgt 180  
cggttagatt ntgcttaat agtgattaaa cgacgttgca acacaaatga tcggntgana 240  
ttcattntat catttattttt gtgagaaaaca actttaaataa ac 282

<210> 33129  
<211> 506  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33129

nnnnaagggg acgggaaggg atcccgacgn cngacncata gacacncagc cggatgggt 60  
cgcagccctt atggctttgg cggaagtgtg ggttggaaatc acatttccat tcagaatagg 120  
ccccacactt gccacgttgt ggttcaagtt attgatatta aatccggcta ttacttcctc 180  
ttgggaagaa cgtggattca ttgcctggga gtggggccctt caatgcttca ccagaaattt 240  
aaattcgcaa tgggtggact ttttagtgata gtgtcnggtg aagaggacat gttaatgagc 300  
tgcccttctt cgcccatacg tagaagcggc ggagaatcat tggaacggct ttcaatcctt 360  
gaagtgtgac tgccctctgt ggaccaaatc gtcctacttc tcttcaaagc gccatatgg 420  
ggcggtgtat gctaagaacg attgagccccg atgggttngc angactgcct cggatgcgac 480  
tggtcataatc aagaatcatc aatttg 506

<210> 33130  
<211> 280  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33130

agcttgacag acctgcattt ttacaccgac cgagttacca ctcttgacac tagatgacac 60  
ttgtccatgc ttgggggctc gaccgactcg tcccccttct atttgtcatg ctacatgaca 120  
ctacgagaca cacatcaacc ctccatgtca gccttgatgc aagagcatga acgcctagcc 180  
catagcagcc cgactccccca actaacaagt tatctctaac ctcttattat ntgaacataa 240  
tggcatccct ttatctcttt atgggtattc aattgtctat 280

<210> 33131  
<211> 545  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33131

nnnnnnngcg ggncgggggn nnaaattccc cnanngatnn atngannann aacnnncnacn 60  
ggagggagag agggatagag agagtgagag tggcattgaa attgaatgat aatacgaga 120  
gaaagtggac gtttgaagtg tgtctcacaa gtttctcatt catcagagtt gtgacaagtg 180  
ttacacatgt ctcttattat agcctaagtc acttacctaa atggaaattt cattttcatt 240  
tcatgtgaat ctaaaggaat attncatgaa tatgccaaag gcatcttagc atattccctg 300  
taaatgccac aagcatggaa tgtgtgactc tagcacatgc gaagcttcct tgagatgcaa 360  
cgaaggtagc ttccttanga agcaaggaag aaagcttcct tgagaagcta gggggggggg 420  
gtggaggncn nnaactccnc ggaatacgggn attgttagtat cgtctctcag cctggnggcc 480  
taaatatgtg tgaataacttt tactccaatc ctccctgttgg agaatctctc aaataatgta 540  
gtccg 545

<210> 33132  
<211> 484  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33132

ggcagatatg ctgcataaac tganancaca acngaaanaag gannngngaa gaganggana 60  
ggataggttc tcattaaccc ccacaggaag agggaggaa tacgaaccaa ccacacccccc 120  
caaacaaacc gaacccaaag gggcgccgaa caacctgaga ccccccacag agcagaaaca 180  
ccgcgaccgg cgcccccaagg gaaccaccac aagaaaagga ccccgccatc catgcaccc 240  
acggccggac ccgcgacgtg aacaaccaa agaagcctac tgacacatcg cggagaaaga 300  
aggacgcacc acaccgaagg aggccaaaaa gccccccaaa tgaggccggg agagaaaaga 360  
gagccaccac cacggcgcag agcgcttaga aacacccaac gccgctacaa caacccgcag 420  
agcctacggc taccaccaca cccggctagg ggcaaggaag acgacccca tataagacac 480  
acgg 484

<210> 33133  
<211> 440  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33133

agcttagtan atctaattctc tatcacgtct ggcttaagac gttaaagaag cgctactaga 60  
aggcaaccta naattggcta cgaagaagct ctctgcgaag cagtccagga aaggcaccat 120  
tgaagagggt tctagtgtgg ccccacaagc tgacacaggt tttgacaacc accgactcca 180  
gagcgtggaa cattagtagc atttcgaggc cactgaggaa tggtcattcc tcagggcagag 240  
acaaaggcag ctaagggatg atgaattcc agatttcctt ggaggaggcg gaaccataca 300  
atcgaaatca ccaaacttgt gatttatcct tcattactgc tttcaattat tctattattt 360  
tggtatttcc ttgtgataat aacattatct gcttccaatt gttatgccca ttgtgattaa 420  
actgaacatg cagttatctg 440

<210> 33134  
<211> 503  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33134

nnnccggagc agcctancga cagcgcaccc ttanattcta agcctnact gatgtgcagg 60  
gcggagcccc ttccggcttgc tgtttcattt tacggcttg gcctttgttc ttcccttgcga 120  
gatacatttc tctatgtaca ctgccgtag gctataaccc tacccaaact ttccggcggt 180  
ttcttctgtg cctaccangc ttggtcttgt actgtggtct tgccaaaacc aatctatggt 240  
tggAACCGTA CCCAACATTA ACCCGGCCAC CATCATTGTC GTATCAAACA AGAAAGCTTG 300  
CCAGAGAGGA ATCTACGAAA GCATGCTTAC TACCTTAACG ATTGGANATC ATTCCATGA 360  
CTTCTCGCGG CTTCACATAT GGCGAGAGAA GGGGAACTAC ANGACGTCTT CTACTGATA 420  
TATACAAATG TCCTCACTAT AAACTCACTT TGGTGGATGT AATGGAACAC TCACTGATGA 480  
TCATGGCCCC AAATAACAAAT GAG 503

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<210>      33135
<211>      285
<212>      DNA
<213>      Glycine max

<400>      33135

cattggttac tggcggttcgt tggcaaatga tggttgtat ggtgggttgggt gtgattgtta    60
acggcgaaag taaggacta caacttcgat ctatgttttt tccgtataaaa acttacaaat    120
taataatccg tatattatat aaaacttatg gattatcaat ccgtcaatta tatataacct    180
acggattatc aatctgtaaa aagacaatcc atatgaatta tgcgaatttt cagtaatccg    240
tatagtccat acggattctc aatccgtata aaccagtgtct aaatg                      285
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<210>      33136
<211>      527
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      33136

gagtnnnncan caggggnggn ancctcnggc tagcatgatc cccctgnana tcaaannnnn      60
nacnnnnnccc nnanncnnan agagagaacc cacacttcac ttgtttcctt tcacaacgc      120
cagaggggtg cgagtcaaat taaacatgaa tgcacatgacca tcgatagttg tgacagtatt      180
gacaccacat ataacattca tctaagacat aggggtgaat cacatctcat attcattaag      240
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agataatact gcttatcttg gcttgccaa acatcttggaa atacaaacgt gttaactggaa 300  
actacttatg tgggacatcg actctatcat atggagaaaa tattctgtta tcccataaac 360  
tctctcaaga gccgaggata ccgctggcct gtctttggat agattctaac atcgaagact 420  
ggactccatg ctatgttgc tatccatgtat ccctagatac tgtacggcaa gaggtgttaga 480  
gatatacgtat gctatgggtg ccaaccatct aatctgcctg gcttccg 527

<210> 33137  
<211> 207  
<212> DNA  
<213> Glycine max  
  
<400> 33137

gattaaagat caaatatgcaa ctgatgaatt agtagagtga cctctaataat tacttaagca 60  
tccttgccatt aattgctgca aacccgcaact tactgcctgc accttgatag aatatgaaga 120  
gataggactt tcaaaaatgtat ctaatagaga ttgtaattga acacaacaat ttctatgtat 180  
aagatgtgtg atacttagat gtgttatt 207

<210> 33138  
<211> 354  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33138  
  
agcttgagag ggtgttgggt gatggaaccc taaccctagt ggaattggaa tcgagtttag 60  
gaggaagagg agagaganat tgaagccgaa agaaagagaa ggatgcgtcg tttgtatgtg 120  
tggtaccaac gaactccttt tactgagaat tgaggcaaca tcggaaatga agagaagaga 180  
aagaggtaga gagagggaaag agaaagactc anagaagagg caaagagagg gaagacaaag 240  
aggcagagaa ggcagagag aggaaagaag catgaccagt gcgcgtccccg atgcgagaaa 300  
gagaaaatca caataacaag aaaaaggccta ttaacaactg taatgagaga gaaa 354

<210> 33139  
<211> 376  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations

<400> 33139

ttcttcacta gtaatcgatt acacatttat attntgaagg gtcatgactn ttcaacttga 60  
atatcaagaa tctcggtgct ggtaatcgat tacaaacatc cgtaatcaa ttacaagtnt 120  
aaaattcaaa ttcaaaaaccc tttttaaaag tttttttca aaattgtatc ttggtaatcg 180  
attacactgc ctggtaatcg attaccagag ctttgatctc ttggaaacac ttgttntgaa 240  
gcaaaagctt gatcttgaat taatcttcaa gcattgctt tttggtaag caaccttcta 300  
tttatcttga agcaatgttt aaccttcaa tggtaatcg agaatcttga aaacaacacctt 360  
gtttgattat tctttg 376

<210> 33140  
<211> 326  
<212> DNA  
<213> Glycine max

<400> 33140

gagctctaga ttgaaagagg agaatacttg tttaagagac aaattgacaa cgtcagaaga 60  
caatgtcaag acattaaaaaa atgtcatgct tgcatcacatc caaatgaagg aaggatata 120  
tcctttgag ttaggtgcta tggttggta taacactagt aatgttaggtg taagtacttc 180  
tcttagtctt gtgttacatt tgatataatta ttaacattcg acgtaaaaag attgttattt 240  
cataccatga atgaagtggc cataatgtgc caacaccaag aggaggctca tcattagata 300  
cgaatctcca tgcaacttga catatg 326

<210> 33141  
<211> 499  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33141

gggcaccggta ctacgattca tagncnnacg cgacacttag aaactcaacc tgatgcattgg 60  
cgtcagctct ataggatgcc atatacctta ctgctatctc cctanacaga ggcgcggaca 120  
atcgattgtc tcatcgccaa cacccacgag actgacaana cccagccttgcgcaggctt 180  
atcagggtcg tactcatcca gcttggact gggcgatat agcgaacaag ctcgagcgat 240  
tgctgtcct caagaaaaca ggctgaacat cattaggca cgcacccaa cttctgcgac 300

acatgaagct ggattgcaac cgtactgatt acccgatgtg aatcagttcg atgcgcctgc 360  
tgggctgccg tagacgttta gagcggcaac tcgaaacttt gtctacatga actataacaa 420  
tgtccttcct ataacttaac tggggag gtcactgacc actacaacgt tggcaactggg 480  
gacccacaaat gatgtaacn 499

<210> 33142  
<211> 275  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33142

agcttaacc tcattgtctc tcacagacnc tagagaaggg agcgggtgca ttccttggt 60  
ccggactctc aaccacttat gatagccgcc gatgatccca ttactgcttc cgactagctc 120  
tctgacctt cttaacgccc cataccatgc ctgcgaact cttggagta cccttagcatt 180  
gtggtcactg aaacctcggt cgatgaaagg cgtgatgctt acgtctgatg gtgctcctct 240  
catggacat tttcgatg aagatagaat cctga 275

<210> 33143  
<211> 516  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33143

gnnccgctga tagaaaaagc tgnangtacn nnntagnanna tctgacacac tatacaccac 60  
tcaaccgnccg tgatgaagag tagagggact catgtatgtt ngataatgtat tcacangacg 120  
acgaacagcc caaagagtga tttcaagatt gactcaaccc ctccaagatc aagtttatt 180  
tcaagttct taaaacagag atcacgaaga ttccagattc tagagacagt tgacttcaag 240  
attcaagaga agatgaattc cagttcagga gaagaaatcc caagacttcc ccagggacgt 300  
ttggaaagat tttcaaaaac aaccttgcct tgtcttggtt ccaaagaagt ttcttacatt 360  
tttaactac agaagttac tctctatc cataccccgg gcaagttgggt ttcttagcgtt 420  
caccggattt caccatccat cgattccaaa tgggtacctt tacagggttg ggatccgtcc 480  
ccgtgtttaa cttgattca aacatggga gtgcct 516

<210> 33144  
<211> 306  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33144

agctttaat gttacacagt cctacaaaac tccgaatgat cgttggctt catattgtnt 60  
tggtaacgca aaccgcgcctc tactacttca actactgtt gaggccactt gtcccataat 120  
tttaaaacaa tatatatatt tgggttaat ggttcatgct ataatacgct tcagaaattc 180  
accccccctc ttaagttatt gaggccactt gtccaacaat tttaaacata tatatatata 240  
tatatttggg ttgaatggtc atgctatcat agctctcaaa tattctgaa aataatataa 300  
ttggat 306

<210> 33145  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33145

ggggggccgg gggcctgnng ntccctgttn caaaacttcc aatagcttgt gggccatctg 60  
caagcatatt gttggttttn accacggacg tacttaagca aatggataca ctctccataa 120  
tgaacatcat gatattacag cagctatcgc tatttcttac aacgtatctg cccagaattt 180  
ataaccgaaa atgccccaat aaataaagca ctcggacaca atattaccga ctacatgtgt 240  
ttgtacttca taacacttcc tggctaatta atactcatct aaacgttgg gacataatgc 300  
ctccccattt gtttatatctt catccccctg tgagatctga attaccaaac ggctattagc 360  
ttttagaatac gtctagcgat gattaaaaat tcttc 395

<210> 33146  
<211> 514  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33146

cccacgtttt ggcgtcncga ncggactgan nacacanacc ncaacattgn caggagctcc 60  
agcttgaccg cgccgttatca tttggcgtaa gtccaggnac gccggcgtc atttaaggac 120  
ggacacacga atcgaaagac cnnaagaatc ccgcctgtcc nacttcacaa cagcgtaagt 180  
attttgcgcc cataccgcgg attgagtatg gcaccccaca atcgaacaag gtaaccacaa 240  
attattcgca cacacctgga ccccgcaac acggcgctca tcattcatca atctcagccc 300  
ccactggcgt atccaccaca agcctgaaac aaagttgatc gcaatccctc cggcatggga 360  
ctaacgacga aagcgaccnt cctcccacgc gtttccggc tacacagacc tcaggcactg 420  
ttcctttgc acgctgctcg gcctccccga gacgccagag cacaagctc ctcccgacac 480  
ccggaggacc caacggaaaa catgagcgcc gacg 514

<210> 33147  
<211> 408  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33147

agcttgtatt ttagtcctcg atcggnatc ttccctggcc gacgccact gtcattttt 60  
tcgatcaata tcggtaata atattttt gccgaggtgg gctaattttt tcctggccga 120  
atgaatggga acatgccaat ttccggccaa acgaaacatc ggtagctc gcacggaaaa 180  
acctatccga cctacattgt aagttttta tgcaacgccc aaacaagaaa acttcccctg 240  
ccgttagggaa aaacattatg ggcagcgagc gttatttaa aataaaaaat tgcgcaatgt 300  
cggtgaaaa atatcagtcg gggccatttc acgaccgatg tcggttattt tgtttctat 360  
tcaatccctg aatgaaatat gcatgatgtc gatcccgaaa tgtntgat 408

<210> 33148  
<211> 364  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33148

gagtttagtta tgaatattttt gactttcacac tngatgttgg tgacactcct tctttctaca 60  
catgtatgcc tttcatgtaa gcagaaaaata angtgtaatg ctcatgatga aggcttatgg 120

gagaacattc ctatctgatt ggcatttaca taagtaatgc ttatgttatg gtatagttaa 180  
catcattntg ttgcatatTT acactctata ttaacttaat ttgtatagat gcaattgcca 240  
ctaattgttt tattattna tttgtatagg aacatggcta caccaccaag ctacccct 300  
cctaattcncc agcttctata gagtctacct ctaggaggac taaacaatgt acacggctca 360  
taag 364

<210> 33149  
<211> 502  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33149

aggagggaaa cagtggctct gaatgctctg cctaaaaacc tngaaannac acagnaccag 60  
gagangccgg accagnncgac ccgacgcacg cgaaccccacg gtttagttgc caatgcctac 120  
cagccaaacac aggggcggag cccgaggcac gcaaaataag accacaccag acttcntgag 180  
aagaaccatc cgcaagacaa acgagagaca caaccgtgcc aaaaatccca caggagccac 240  
agagtagacc gcacacaacc gcaaagggt gcaccagaac ccctcagaaa aaaagcaaaa 300  
cccgggataa cgcaccccg catattcagg agcaagcccc tgcggaggag tagaacaac 360  
caaagaagca cctccacccca cacacgccaa gagcacagca agccaggaa aaccgacagg 420  
cccgacacaa ggaccacaaa gagaagagcc atcagattaa cggagaaagg gacgcaccac 480  
gcgacggcag gggaaagaccc cg 502

<210> 33150  
<211> 281  
<212> DNA  
<213> Glycine max

<400> 33150

gcgaatcctg cgctaaaggc gtgatcacga ccatacttgt taagccaaa aagtccgctt 60  
aatacgaggt cgcctgagct tacttaagcc tataagagga gtaggaagca cacaaaaaag 120  
acacaccgag actaagagtt atctaaagaa tacatactat gtctgagcat cccaaataag 180  
aaaaatcttt attctatggc aatcattccc gtcatctcac tttatccatc taattcctta 240  
atctattcac atgaccttt aaagtatgaa gcatgaccat g 281

<210> 33151  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33151

agtacagtagtac cattcanata taaaagtggc cncattctat catatngcaa tnaccaagct 60  
gtctggcttt gacgaggaat taaaaaggaa aaattctttt aatttttagcc ttgttaaaaa 120  
aataaaaaat aaaaacactg tacttttatac ctctaccaca tagaagccac tatgataactt 180  
aacgagctct atcttagcatt ttggactcgc ttaattaaat gagtaattga aggactactc 240  
taactatttt tttttttac cagcgtctat aaacatttagt taagaaatta aaatatata 300  
atatatattat tataaaaatt atatgagagg gtcaaaaaag tatgaagaat atatttatac 360  
tatctataaa atatattgtt ttaattttta actatgtctt agacatc 407

<210> 33152  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33152

acgtaaatcg tatacttagca ctancanctg nanaacnaca aacngtgatg ctgtaagcga 60  
cctgcatgca tgcatgcaat gtgtcttaag ctattggcga ggacaggggc gcgatctgg 120  
gacttttact tccgtactgc cttcgatcg aacgtcgaat gctgcatggt cgtaaacc 180  
tgtccgtggg aaaggttcaa agttgaacct aggagctttt aacttagtatg acacaccc 240  
tttagacgaca gcaggataa cttacccagg ttactttgc attttgagg aaaagttagat 300  
gccataaccc agacntgctg actatgctat ttctgacagc atgtacagaa caacactgt 360  
cctaattcgag atatcacgtt acttaggagc tcgcattcccc gcttcaattg gacgcggctc 420  
acgacttaggc tgtacaccat cc 442

<210> 33153  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33153

cgacgttnna acgacgtatga ctgangncan nnannngacc gggagcgaac gaggaccgac 60  
cgacgaaagc actttcattt ctcaaccgca aacagaaagg gcggggcgca gaacaccaaa 120  
cagacccccc agaggcaacg aaagggggag gaaccaacgg cgacgggga cacgccaaan 180  
cacagaagcg acaagacaga ggagaaacgg caccgagaga aaacaacaag ccgagcagca 240  
accacacaaa ataacacccc cacgcagcga agaagcgcgc tagccgacg agagaccaaa 300  
aaagccagcc gacggcgcac gtgtaaaaca agacaacgag caacaacgac aacacatgct 360  
cagcaggaac ggaagcaaag aagaacacga gaaaaggacc ccgcgcctaa gaataaccaa 420  
aacaacacga cggccggcc aggcgacagg cgcaaggaaa ccgcggcn 468

<210> 33154  
<211> 451  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33154

agcgacgacg tnttanagca tgcttgaaac tgaaaaancc gccanacccgg ggtcccaaga 60  
gctaacagcc gccgccactt ttttcttcgt tctggacaaa cagggggggg ggatgtcgga 120  
aatccatata tctctagtca tctcctcatc atagacggtg atccatcctc acacaagctc 180  
tattgatgaa ccaccatcat gagactcgat ctctagaaat accctaacgg aaacgtctcg 240  
ctctacactt gaagacccac accgctgatt tctcacgcat taaggtacaa actgccctag 300  
catgtcatat gcttgacatt cgtagacta ctttctcact atgttagtta ctcgtaacac 360  
ctgtgctact aaactattgg cgggatggca aagtaaacgg actgggcac 420  
ctacggaaca gttacttacc ataaccctca c 451

<210> 33155  
<211> 447  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33155

caccttatct gggggagcct aattctaaat gtngtatttg tgctcggn tatcattcgc 60  
tgaggggtga ttatatttat atatttatcc ctatacattn taaaattntc attnttattt 120  
ttatttttt atttctcaat ttataagtnt aagatgacat ttggtattt attaattnta 180  
cttataatgt actaatgttg atacgactgt agagatatta ccaatccta tttatthaac 240  
ttctccatga agattgtaat tatcaatcct tattactta aatgcctatc agtccattt 300  
ccttntgca aatttgaatt ttcgccattg gctaaaaact gtactagaat atgaatgaat 360  
gtgaattgat aatgggtgct agaaaacatt gtagtgcaga cagtagatgt ggcttggtag 420  
ctaaaagatt ggactatatg tatata 447

<210> 33156  
<211> 446  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33156

agcnnttcnt ttagnatana cttccttgga gaagctaaga gctngaggct acaccacacg 60  
cccttattaa tggactacag cttaccttcc tctggagata gcttccttg gagaatttc 120  
cgttgagaaa gcnnntcctt gagaagaatt cctagagaag ctatgagctt atctacacac 180  
acctctctaa tagctaagct caccccttg agaagagaag ctagagccta gctacacacc 240  
cctcataata gctaagctca ccctatgaca aaatanatga gaataaaaaa gaagtcctta 300  
ctacaaagac aactaaaaat gccctgaaat acaaggctaa aacagaatgg ccaaatacaa 360  
ggcccaaaag aaagaaaaac ctattcaaatttacaaag aagagtggat ccaaccttgg 420  
cccatggct cagaaatcta cttgg 446

<210> 33157  
<211> 318  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33157

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tcgagtctata ttcatagtcc ttagtgcattt aatgttaatt tccttattgt ggtaatgctt 120

cttctgatga tgagatggct tttgatctga gnatgaatct tctccacccc aaaaaggatc 180  
ctgcagtgca agattgagca nagttgtacc aaaaaagtca tccgtgtcca tattttaca 240  
aaggagtaca cctttccaa tggaaacgac cttctaagga gactgcattc cctactagca 300  
atgtgtgaa tgatattt 318

<210> 33158  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33158

aggatgggtt gtgttatgct ganactggaa aaccanacnn ccgtgtccan agagcgaccg 60  
agcagcaact tctataattc tacaaacaaac gggaggggtg gaaagaaaat acacctattc 120  
ccataatcta gcagctcgca gcaactgaag cttgccaca tataggatgc gaatcttcga 180  
gaatccctac acaagttgcc taaaataaaag gttacactga cccaacactt ataactccaa 240  
tggccaggaa tagacgccta ctattgaaag catagactag aagtaacaca atctccaagc 300  
tcacactgga gaatatgcat atgaacttagc tcatactaaa gactaaacca cttgaatatc 360  
cataacaaaa aagacccacc tgatcttatac ctaatgaaag cn 402

<210> 33159  
<211> 405  
<212> DNA  
<213> Glycine max

<400> 33159

agttctgat ggtgccctat tgttgctgt tttttttttt agacaaattc ctttagcaat 60  
cccccaaatt aaggacttat cataacttga aaccctttagt ctttctttaga accctaaaac 120  
aaggtaagg atatcaaaaat taagctcagg ggtttattca aacaaatcat tattactttt 180  
ggctcaacag gggtgcaagg gataaattca tcacaggtta gcttttggc tgagtggcta 240  
aaataaaaag aaacatggcc ttgatcatat ccacctttagt taaataatct aacagtctaa 300  
gaatgatgca aaattaataa tttaaaaaca gacgttctct cataattaat gtcacacagc 360  
tcaccgggac aagataaaagt tatcggtta ccgaaccatg atctc 405

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<210>      33160
<211>      356
<212>      DNA
<213>      Glycine max

<400>      33160

atgagttctg gttgcaacct tgtcttcca ttttttatg tgtgcataatc ttttcattct    60
cgtctccctt tgccaaaaag aattcgacaa ggactaacca cctgaattct ttttgtgtct  120
ctcttctccc ttttctaaaa gaacaaagga ctaatcgccct gaattcttt gtgtctccct  180
tctccctttt caaagaattc aaaaagacac agtctgagaa ttcttttgat tcttcccttt  240
cccttaaaca aaagatttca aaggactaac cgccctgagat atctttgtt tccccttcat  300
aaagattcaa tagactaacc cgctgagaac ttgtcttaa cacattggag ggtaca      356
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```
<210>      33161
<211>      382
<212>      DNA
<213>      Glycine max

<400>      33161

ggtttgcatt cttggttta caatctatat gcgtcggtt aagaggaata ttagatttat    60
gttatctttt gtttatccaa tagtacttgc ttatagtatt aaaactttct tatacctttt   120
ttttttctg taaaacttata tatatatata tatatatata tatatatata tatatatcaa   180
agtctattga gtgtgtggga cactctacaa ttattctcaa ctacatataa catgatcatt  240
ttatgttcat tgaaaattgc gtcttaactt gatttcatg attgatgtta attatcactt  300
aatatcttgt atagtataaa aaatatctac ttaaataaaat tggcatgacc gttatgatcc  360
tttaaggaaa aaaaattgac cg                                         382
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```
<210>      33162
<211>      403
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      33162

gggaggnntt tgtgcctcnt agcactcgaa aaccngaccg ggatcttaca gggacctcag 60
atgcaaccgg ctgcttatctc tttgtggaca caagagcgta gccggagtga accaaccgtg 120
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ttgtaaaagg acttgcatat cttcttactt tttgccagta ggccgatctg ttgcattcct 180  
tcgtgaagac acatatcaat tttcttatt agaacacatt atcctatccc actaacccaa 240  
ataccaaaac ggaggcatgt aaccctacat ctataaaaa aacgcagagg tgccatcg 300  
gacatcttac taccctggag gactactgc cgcaaacctt caccagccat atcttaaagg 360  
tacccttta tgaacttcag actgatcagc aagacatatac gaa 403

<210> 33163  
<211> 425  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33163

agcttgatc tcttgtcaa tntcttagtc actaaaaaag ttatgacttt agaaaataatc 60  
ttcagaaaca agtcacttga agaattgtga cttttggaaa tgtatTTTC gaaatcagtc 120  
actggtaatc gattaccatt gaggtgtaat tgattacaca tcaacatatg tgactcttca 180  
ttttgaattc tgaaaatctt aaagtttaa aacactagta atcgattaca gctttgtaaa 240  
tcagttgaa aaacaatgca agctactagt aatcgattac taccttctgg taatcgatta 300  
ccagagagta aaactctttg gtaaaagatt ntgtgaaaac ttcatgtgca actcaatgtt 360  
ttgaanaact ttnttagtact tatcttgatn gagtcttctc ttgattctt aatcttgatc 420  
ttgat 425

<210> 33164  
<211> 326  
<212> DNA  
<213> Glycine max

<400> 33164

atcgaaataa taaacctctc actcgcttac tatggattat tgctactaat aataatcgcc 60  
atctgtcacc atgaaatatt atcttaatgt gatttgctcc atctgacttc atgccacatg 120  
tttatgcaag actctatttc gatgttgata atttataata tactaaaaga accaaagtgc 180  
agcatcttaa ctatatacaa tcatgacaat atgttattca ataatgcaat taatgaaata 240  
ctacatgtgt gactatcatt aaggaatatt ctcttattga taatatcact atgaagatgg 300  
catcatgtta tacataacat caatta 326

<210> 33165  
<211> 413  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33165  
  
agcttagctc tagatgtat ggaccttntc aggtttgga gaggatcaat aacaatgcct 60  
ataggttggaa cctcccgaaa gagtatggag tcagcaccac ttttaacatt tctgattaa 120  
ctcctttgc aggtggagct gatattgagg aggaggaact aacagatttgc aggtcaaatc 180  
ctcttcaagg ggaaggggat gatgcaatcc tccctatgaa gggaccaatc actagaacca 240  
tgagcaagag gctccaagaa gattgggcta gagctgctga agaaagcctt atggttctca 300  
tgaaccttat ggttagatttc tgagcccatg ggccaaagtgggtccaaattt atctttgtac 360  
atattagact aggtgtcat tatatttggt ccttgtataat anggctccat att 413  
  
<210> 33166  
<211> 278  
<212> DNA  
<213> Glycine max  
  
<400> 33166  
  
tctcattcgt gaaagttaca acaagtgtta cacatgctta tatttataga ctaggtatc 60  
gccttgagaa gctctttga aagaacttcc ttgagaagct tctttgagaa aacttccttgc 120  
agaagctaga gcttatctac acacacccat ctaaaaaacta agtcacccatc ctggagaagc 180  
tttcttgaga agcttagagct tatctacaca caccgctcta ataactaagc tcacctactt 240  
gagaagagaa gcttagagctt aactagacac ccttataa 278  
  
<210> 33167  
<211> 419  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33167  
  
agctngngtt atgttgcgcg tactgatggg tacaatgagg tgtgtgctgg ggtttgcacc 60  
acgcgggtgt tgaagagacg gcatggcat ctccttcctt cctttntgcc cgtgttgcacc 120

cgattcttt ggcattcgcg nttgtggagg acacgtaatc aaacttcctt ctttcaatc 180  
caacctcgat tcttcggccg gcaaacacca gatccgcaaa gctggatggc atgtaaccga 240  
ctagcttctc atagtagaaac actggcagag tgtctaccat catggtgatc atctctct 300  
caaccatggg aggagctact tgtgcccca aatccctcca tcgctgcga tattctntaa 360  
aagttcacc ctcttcttg aacatattct gcagttgagt acggtcagga gccatatca 419

<210> 33168  
<211> 352  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33168

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tataggaatg tcattatctt cacagacatc cattaccaca aagtctatcg aaaagataaa 120  
atgtttactc tgaccaacac atcttaatt actctgtatg gtctggtaat ggagcaatca 180  
acaagtncta aagtcatcct agtggcatg atctccaact ctcccaacct tctgcacatg 240  
gagagtggca ttaagttaat attggctcct tggacagagt ggcatttgct gtaaagcttt 300  
ccaagggcat ggttatttcc agttcctga aatatcta aatcttgcaa at 352

<210> 33169  
<211> 403  
<212> DNA  
<213> Glycine max

<400> 33169

agcttggtgt atattatcta tatgctccag ctagacgggg agtgttgaat atctttggg 60  
gcttctaaat tagatgtgtatc tgcatcatta ctaaatattt ttttcttgc tttagaaggca 120  
acacacatag actagactac gctgtcacat agactatgct aggctgtctt ttcccccttt 180  
ctctctctta tgctgtgtac tctataaatt gtaagctgaa acatgaatata caagagtcat 240  
gtgagtgaaa ttcccttaca cttaaactca agtgtgaatt tgtgatgcct tgcttctgt 300  
gatcggcgcc tgagttctg tatgatggtg tttctttaa tccccttgc ctatatcctg 360  
ctattgtgtg tccatgaaga cagctgcctt tgcaactacact 403

Sequence Data

<210> 33170  
<211> 315  
<212> DNA  
<213> Glycine max  
  
<400> 33170  
  
ccgtgatgtt ctcgtaagag cgaacagtga aatacaggat gaatccttgc ctccctcggtt 60  
agtttgagtt tggatgagac ttggccaca cggtcgattt tctgaaacgg cccaaagtat 120  
cttttggta gttttgggtt tattgaacca actacggtgc gttgccggaa gggacgaagc 180  
ttaacgtaga cccactggcc tatgctgaag gtgacgtcac ggccgttggatccgcgaat 240  
ttcttcatgg tgtcttgc cttttgaaaa cgatgttgcg atttccgggtt gatcttttgc 300  
cgcgagtgta gcatg 315  
  
<210> 33171  
<211> 414  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33171  
  
agctnccatt gttcaattttt gttcgctctcg atatattatg cgcctgaatc gcacatccga 60  
gttaaaagtt atgaccctttt gaatatctcg agagcttcca ttgttcaatt tcgagcgtct 120  
caatataattt tgccctgaa tctgacccccc gtgtggaaag ttatgaccat ttgaattttct 180  
cgacagcttc cattgttcaa tttcgagcgt ctcgatataat tatgcgcctg aatcgacct 240  
ccgagtgaaa agttatgacc atttgaattt ctcgagagct tccgttgttcaatttcgagg 300  
gtctcgatattatgtgcc tgaatcgac atccgagtga aaagttatga ccattttaat 360  
tgctcaagag cttccatttgc tcaattttgtt acgtctcgat atattatgcg cctg 414  
  
<210> 33172  
<211> 375  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33172  
  
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anggaattaa aaaaaaaaaa acttaatggc tgagtgtAAC tggAAATCGTG gcaaccaaaa 120  
gtcaccccca acaaccaaca agtcagccac catttggtct cccaaaaggc tgatgcctaa 180  
gttgccaatt gggcccttat tacaacttga actaaaccta actaaAGCCC tttaattga 240  
ttaacccaaa acatattttt ggtcaaccaa ctttacaagg attggacat tatTTAGACA 300  
aactaaacac tctaacaatt gagacaaAGT ggtgtcattt aatcctcctt catatggccc 360  
atgatacaac tcaca 375

<210> 33173  
<211> 380  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33173

agctttnatt tcgtccttca agatcatgcc tttgacccat gatgattcct ttcacctt 60  
tggagcttga gctcaCTATT gctGCCCTAT aaAGCCCTC aaaACTTGC ttggTCGTG 120  
ttcttccttt cgggccttct tggTTCTG ttccaaggct tcagcggtgg ccatattgac 180  
gtcccttagt tcatcataCT CTTTCAGAC tttgatggct atggacttga acttctttc 240  
gactacccag gcttttcaa gctttgcctt tagggttgta cctcatcaCT ttcttccgaa 300  
gctttaacct cgtcatctct cataGTCNT agatgtggga gccaatccaa tccttgcgtc 360  
cggtctctta gccgctttagt 380

<210> 33174  
<211> 375  
<212> DNA  
<213> Glycine max

<400> 33174

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aagcgcgcat aaacccacca tccccTgttG cccacctcca actgagctca cgtactccc 120  
cgtagcccat atcTTTTTt ctctcaacac cgggtccccca tcaatcctcc caagcttcc 180  
caacatcaaA gcaaaacaac attcaaACAG cacaagctat cacagccaa caaaACAGAG 240  
cataggcaga atactctgcc aaaacaccaa ccaaAtcaca gctttctca cttaaAGACC 300  
ccagtaacaa ttccTTcgat ccaattcggt aaccgttggA tcgactcaaA attttactgg 360

aagtctataa tacat

375

<210> 33175  
<211> 125  
<212> DNA  
<213> Glycine max

<400> 33175

ggggtttctc tacgcgcagt ggctttac gggggcgcaag gcagaagctc agtagcagg 60  
catgacgggg ggaggcgcca cgggctaagc agtgcggcgc agcggggagg tggaaaggccgt 120  
gaaag 125

<210> 33176  
<211> 416  
<212> DNA  
<213> Glycine max

<400> 33176

agctttatg attaaactaa gttaactaac ctacggttaa aaaaaaataa aaacaacgtt 60  
aaaggaagct tacttgatt gctgaaattg gatgcaaaga aagaagcaag gagaacaagc 120  
aaagagttag agcacattgc agagaagaag caccaacgaa atgccaaaaa ttagttaa 180  
aagcacaaat gaaaatgtaa ctgccaaagg cagctatgcc ttattgttg aggttcgaa 240  
tgccttgctt agcgcatcaa ctgcctaagc gagcatacat aacgttaag attccaaaca 300  
cacgcactta gcatgcaaac tcgcttagcc caatgaaaaa attcaaattt tccagagaag 360  
actttgggct tatcgtgaag agtcgtcgct agcgaataat catgctcctt aaatgt 416

<210> 33177  
<211> 117  
<212> DNA  
<213> Glycine max

<400> 33177

tcactgagct cacgtctccg cgtaccata tctcggttctc tcacaccggc cccatcaatc 60  
tcccagcttc ccacattcaa gtatcgacat caacaacaca actatacagc caaaaac 117

<210> 33178  
<211> 51

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33178

accttgcgc ctgcgtata atattgccatggttgaaa cggcgcaaa n 51

<210> 33179  
<211> 413  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33179

agctttatTT ntatcggtt gttccctt tattttggTT tctaaggTTT cacactaca 60

aaagttaaa ttgtttgtg ctgctggagc ttctacacct tgcattgcat ttccggTT 120

tatctgtatC attggtaat tttaaaaat tatttttc cagccaaaaa gcttaaacCT 180

gtctttgtg tttaaaaaa atctaaccatt tcgattttga aaaccaaATC tgtgatttt 240

atgtctgctc cctccccagt ggattctat attgtgtct tggggagga acgcactaaa 300

gctgcgttt ttatttcaaa actctatgag tacacgttcc tttgttggt gacttctcac 360

aaacatctct aatgattaaa gatcttaca tgcataatag tatagttata aat 413

<210> 33180  
<211> 374  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33180

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tggatcttct cgaaatttgg tctacaactt tacaagacac tttccatga tctgaccgtt 120

gagatctttg agaagatgtc tggagtgtgc tgaagcttc cggtcccgag agcatttctt 180

attnaagcac ttcaGcctt gcttcgtgt agcataggaa aaacgtcatt tcttcttctt 240

tctttcttcc aaagccattt ctaaagtcc aagcacttcc tccatcaccc acagccacca 300

ttagccacta caaaccatca ttgttctcca ttgaaacccc acaccgagag gaacccttca 360

accgaagcgg agtc 374

<210> 33181  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33181

tatcttgatt gtgtgttaacc caccatttt atagtaaaac actggtaatg tgtctactat 60  
tattgttagc attttttct ccgtcattga ggtgccactt gagctaccag gtctctccac 120  
ctttgggcgt attctttgaa agatccgtgc cccttttgc acatgttcta tagttgcac 180  
ctatccataa ccatatcaaa attgtactga tactgcctaa cgaaggcaac cattatgtcc 240  
ttccaagaat ggactcgaaa aggttccaag ttagcgtact aggtaacagc taccctgtcc 300  
ccttttgca catgttctgt agttgcattcc tatccaaaac catatcanaa ttgtactgat 360  
act 363

<210> 33182  
<211> 324  
<212> DNA  
<213> Glycine max

<400> 33182

cgcaggataga actggcagca tccatggcca ttactgattc ttcttacaat ttgtttaaaa 60  
acaaaccttg ttggtaaat agttttaaa tgaagcccc tacagtaaat ttgcctatct 120  
tgcctatctt aagacatcct tttcaactct acaggttaatc tgtcacacat gtttatatt 180  
tatttctcga gaattattca atctgcagcc aacccaattc aagaactaag caccatgaca 240  
aatttgctta aaatgttagta ttatattgc tttaatttag atctgcttaa aacggcaata 300  
gttctaagat tattaaaaaa tata 324

<210> 33183  
<211> 512  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33183

aaccaacgcn acactgatga ccagtannga cntnntagnna nnaacanggn naangngagc 60

tnggatccac gggatccgct agagtggacc tgcattgtttt cttgtctcgn tgtattcaaa 120  
gcacagaccc aagagggtgtg gtgctgttaac gacaatgtgg ccatagaaaa acaataacat 180  
cataaacgac gatgtacttg ggacaatcaa tgccgaccaa tagtgctgac ccatgcttga 240  
ctctttaaca aaatggtaac gtgataaata tcttacagta tagatgttac gtaaagaatt 300  
gcatcgagca tgaataccca aactgaagag gatataagtg attgctaaac tcatacgctg 360  
gaacgcgaaa ttctcttgtt aaagaagacg cgattcttac tgaaagagcg ggccgattta 420  
ttaatctgat cctgttccta atctatagac cacgactact caactgaccg catgaggtaa 480  
tgcattcgagg aaatgcttaag atatggaata cg 512

<210> 33184  
<211> 379  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33184  
  
agctttgtt ttcttatccat atctggcctt gacattaacc agacttaaca ccggccgacaa 60  
tagcgtcaag gaattgttgc accccggata caaaggcttc tttgagtcac cctgcaatct 120  
ttcatacacaca ggggcatgtg cttgctggaa agactcttgtt ccaaggtcac gaatcatatc 180  
ctccaagcga tgtcccattt ctacatcaa cgggttggat tttgccccac tctgcatgtc 240  
tgtcatttca ccatgccata tccacgtcgt ataatttctc ttaattccat cacacaacag 300  
atgctctcgt atgtcatcca gtattgtcg tcttccattt aaacaattga tgcaaggaca 360  
ataatattnt ccatcttca 379

<210> 33185  
<211> 270  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33185  
  
agctcgatt aaatatgtct ttaaaacact cncaatgaga aagtgaatct ttattccctt 60  
attaatatat atgtgagggg taaagggtgt cacataggct tcttgtgaac gactttcctg 120  
atgaatgaat agtgcataaa atcctggtca ctataccga tatgtctgaa tctaaagatat 180

cagcattgga tgattctaaa gacctgtcaa ccatcacctt gcgagaactc atatatgctc 240  
tacaagccca ggagcacaga ataatgatga 270

<210> 33186  
<211> 296  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33186

acatttgggg ttgctatggc gctctataag tggattccca ttaagtttgt atacaagatc 60  
atcttgcttg ccacaaactt cattnntggc aacaccaatc actatggcat caagaggccc 120  
aagaccggcc caatagagct caaactcgcc acagggaaaa ccccacatcc ttagtttgt 180  
caagttgcac acataaaatg tggtaacata aaggtataaca caatatggct cacattaagt 240  
gactccattt ggtcctttt taccgacaaa tggtagacgt tagaatatta gttttt 296

<210> 33187  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33187

agcttaggtt cccattcttg tatctncaat gcaaggaaac atgcatatgg ctaggaatcc 60  
aaaatttgggt tttagaatta gaanaacatg anaaattagg attttcttgt gagaattttt 120  
gctcgaattt gggctgcccc atgtttgata ctttacatag agtagcgtg gaaaacacct 180  
tgcaatagtg tgtatacata ggtaaatata aggagcatga aattccttagc aaagtgtgaa 240  
tgattatctt cctaaatgaa tgcatacatg cacgaaattc cttttgaat gaaaaagtgt 300  
gtgcataatg taaatagctt gccgatcatgata ataaatgtga atgaaacaat aaaaaanaaa 360  
tttgcataatg atatatntca aacatatgt 389

<210> 33188  
<211> 421  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33188

agctntactt tatatttttag taatgaccca ctaacctaga attaaaataa cttaatgcc 60  
ttaacctagg gaattaaaac aaactaaatg actgagtgt aactgaaattg ttggcaacca 120  
aaagtcaccc ccaacagcca acaagtcagc caccatttg tctccaaaa ggctgatgcc 180  
tangttgcca attggccct tattacaact tgaactaaag cccttttagt tgattaaccc 240  
aaaacatatt ttggtcagc caacttaca aggattggc cattatttag acaaactaaa 300  
cactctaaaa ttgaaataaa gtgggtcat ttgcctcc atttggcca tgatacaact 360  
cacaaccttg gactttctc cttgaaactt gggcttgtat tcaaatacgta tggacagcac 420  
t 421

<210> 33189  
<211> 493  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33189

nccccggcgt gcctgaagca tgcagtaacgg acactttngt taccatgctt ccncctcaat 60  
ttcgagcgtc tcgatatatt acgagccctt ttcttacatc cgagtaaaaaa gntatggtcc 120  
gttgtattgg atcagagctt caacattcaa tttcgagcgt ctgcgatatgt tacaggactc 180  
aatcagacat cagagaaaaa agttatcgac gtttgaattt gctcagagat tcaacattca 240  
atttcgagcg tctcgatatg ttacggact caatcagaca tccgagaana aaagtattgt 300  
cgtttgaatt tgctcaaagc ttcacattca aattcagacg tctcgatatg ttacggact 360  
ccatcagaca tccgaggtaa aagttattgt cgtttgaattt ggctcagagc ttcaaaattc 420  
aaatttcgag cgtctcgata tggtacggga ctcaatcaga cttccgagta agaagttatt 480  
gtcggtgaat tgg 493

<210> 33190  
<211> 414  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33190

agctnnngatt aagtgttgat gtctccaaga acataactca tattgcatttgg aaatagtata 60

gccagtcgaa gaaaaaaggg gttgcacttc taatcttta tgtttaagtg agttgagaga 120  
gtgagtgaca agtgtgggt ggaccaaaga tcatggagtg ttattgtcca caggattata 180  
agattctgca catctaattgg gtattaaggg attttatgac aataagctaa ttaacatatg 240  
taatcatgta agttacctag atcaacatgt cattaaatt aatcatgcac aatgttaatt 300  
tacacagcgt gaatttataat cgtcctatct ttcatagtgta aaaaaataaaa ttctaattgaa 360  
atttatattc tactaacttt gtcacataac ataatatgta tataattgat atcg 414

<210> 33191  
<211> 419  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33191

agcttgntta tgtctctnaa gtttgcttct gctcaacaag ggagggctt cttcgaaaa 60  
ggcgattcac tcgtggacag tggcaacaat gatttcttgg ctaccactgc acgagcagat 120  
gcccctccctt atggcattga cttcccaaca cacagaccca ctggacgctt ctctaacggc 180  
cttaacatcc ccgacataat cagtagact ttgtgacatg ttagaaaatt agtagaatgg 240  
attagtgact aaattttagtgc acgaaaaatt ggttattcct cactaactct aaaatcacta 300  
aatttagtga cattttaaa tataaaaaaa ttacatataa atttttcagt cactacattt 360  
aattttata caagttataa gaatgtttgt ttggttctag tctccattt gcatgcattg 419

<210> 33192  
<211> 402  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33192

gagcactcct gtggtttaag acacatataat gttcgtggc ttcaactggg tgagatatta 60  
ctatacaaaa tcctatcagt attgtctatg tcaacaaatc aaagccaaat tgaatggatg 120  
agactaagta gtacgtcat aaagtcctt aaggggttga ggtttgtcag cagaaaataaa 180  
gcacgaaaga atctggaaat tgtctcagct gtttgaatg ggacagcaac gaggagggaaa 240  
ctaagaatta aatatggttt gaagctccga tcgctctatc cattaaaagt ggaatgtgca 300

attagacata tggctcgagt atgtctggga attgatttag taattaaaga agatgcgt 360  
taattactat gttgtccatt ctaanatgaa tattaattaa ta 402

<210> 33193  
<211> 118  
<212> DNA  
<213> Glycine max

<400> 33193

cttgggatc attcttacga gtcattacc gtggactcg tgaaggcaac tgggtggct 60  
tatctatcct tgtctggagc caatcctaca tcactacaaa gttcttctg tatccact 118

<210> 33194  
<211> 342  
<212> DNA  
<213> Glycine max

<400> 33194

atgaagaaag catgattttc agcaaagcac agatctcaag atcagaatta agatagactc 60  
ttataaaagt gttgaaagg cacaaatgca tggccaagag agtttctatc ttaacaaaaa 120  
ctttccaaa gcattttact ctctggtaat cgattaccag atgttgaat cgattaccag 180  
tggccacaaa gctttctgga aatgtttcc aagttatccc cgaagtttc aaagcttta 240  
tccattacca atgctttaaa acagctaaaa atgattttgt aagtgtcgaa tcgattacac 300  
atcatatata atcgattacc atagcttttgc aacattgcac at 342

<210> 33195  
<211> 368  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33195

agcttctcta tatattatgc acatgatggc cataacttgt cacacggatg ttgcataattg 60  
gcgcatcaca tatcaagacg ctctgaattt anaaccggaa gctctcacaa aattcaaatg 120  
gtcataacct gtcacacggc agtctgattc aggccgatc tatatcgaaa catttgcataat 180  
tgaaaaaaaga acgcactcgaa gaaattcgaa tggtcataac tttgtcaacg gatgtccgat 240

acacgcgcat aatatatcga gacgctggaa attgacatcg tatgctctca agagattcat 300  
atggtcataa ctatcacac ggtagccga ttctggtgc taacatattg agactcttaa 360  
aattgaac 368

<210> 33196  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33196

agtttgttct ttgattgtat catgcacatc ttcatgacat cgtaatggac atatcattct 60  
tgcatatatc atttatcata ttcatgcatt gcatttgcatt gattcattgc attatcatac 120  
atcttcattt agcatgcctt tgtttgcca attgcgtaca ttttcatcat ttgcattgcta 180  
tgttcactca tgcatgatcc tgacacatat ttgctcatgc cttgcattnt ctgaaaaaaaa 240  
aaaaaaaaacaga aaaaaacgaaa aaaaaaaaaa aaaaaaaaaa agtcacaatg aagcatgaaa 300  
gtttacacca cattcttagt taaatgtgtt gggtaccatg atgatagcta taaaccaacc 360  
atgttgggat tataactca tttcttttan naaatgattt anaatcatgt gaacat 416

<210> 33197  
<211> 332  
<212> DNA  
<213> Glycine max  
<400> 33197

tttggaaaaaaaaa tcttcagaaaa catgtttctt gaagaattgt gacttttggaa aatgttaattt 60  
ttgaaatcag tcactggaa tcgattacca ttaagggtgtt attgattaca catcaacaga 120  
tgtgacttca ttttgaattt tgaaaattaa aacgtttaaa gactctggta atcgattaca 180  
agtgttgtgtt aatcgattac acaagttaa aatgattaa aactggtaa cacaagttgt 240  
aactcttggaa atttggaaatc ttaacattat aaaacactgg taatcgatta ctaccttctg 300  
gtaatcgatt tcagagagta aaactctttg gt 332

<210> 33198  
<211> 343  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33198

acttgattgt tacctaann ccgcagcgga ggcggagagg atcccatatc tactcgatac 60  
tcaatggag cgcataaccc taaccaaggt ttatcagcct ccatttctac gagaatacga 120  
ctcgaacgca acaggtgctt gtcacggtaa agccctgggg cattccattg atcattgtac 180  
ggcgtctgaa tcgtaaagtg caaggtctaa ttgataccgg gcaggcagat aatcgaggag 240  
aatcgcttgt tgaattctaa cattcacaag caacacctta catggggcaa ttcttgaact 300  
agtgacatga ctcatcacga ctagcacgta tatgcctaaa cca 343

<210> 33199  
<211> 399  
<212> DNA  
<213> Glycine max

<400> 33199

ttctttgtct tgagtcatca agtgattata aatatgtgac catggcatga gtttcaacta 60  
acaatcaatc atcaatcatc tttgaatcat ctatcttca atctttacaa catcatctct 120  
caacatctt caatcaatct ttcaatatct tttctataga attttctaat tcatttctct 180  
tcatcttct aaaagttttt tatcaacact ttctcttcca agaaaagttc tttgttcaaa 240  
aacttgcgtt attcatctt ttcattctct tctcccttgc cccaaagaac gaaagactaa 300  
ctgcttgaat tctttgtgt ttctcttctc ccttacaaaaa gattcaaagg actaaccgcc 360  
tgagaattct tttgattctt ccctttccct taagcaaaa 399

<210> 33200  
<211> 338  
<212> DNA  
<213> Glycine max

<400> 33200

aaaatttatg cttaagcgac atataggta aggttaagtg aaaattcatg ttgaacactt 60  
tattacatgg ttttgaatg aatttaattt aacttaaatg tatggggatt atgaaattgc 120  
tacaatttggaa ttctacagct atatgttagg aaattcacat ttttaaggat tgatcacgtg 180  
tgaaagttac gattcataat gtggaatgcc ttacaaagct tatggaacta ctaggtgggt 240

tcctaagtgt attgtgtaaa aaatggcgaa tatataacat aaaggggaac ttgtggatt 300  
aaagctgatt gaatgtatac atgcatacat gacattac 338

<210> 33201  
<211> 407  
<212> DNA  
<213> Glycine max

<400> 33201

agtttcctta tttcttcagt tgccggggc ggtccttcca aggacaaaac tattggttgt 60  
gtcgtgacgt tgggctgagg caatgtgctg ggtgccggc ttttgaggat cggggatag 120  
aactcgacat cccttcgagc atagtcttga gggtcttcgt ggacctcgtc gggctgttgg 180  
ggaggctctc tttcaaggac aggagaagca atatggcccgc catcgcttg catgacagga 240  
ggtagtagt tggcggcaa tccataaggg taagccgctc ggttgtatcc cagatgaggg 300  
ttgccatcat gccccagcgt gttccttccc catcctacta tgtttgaggg agatggcgc 360  
gcggttgcca agagagttgg gtctgcttg gcagccgaac tgacagc 407

<210> 33202  
<211> 309  
<212> DNA  
<213> Glycine max

<400> 33202

acatataactg taatcgatta cttttgttt tttcagaaaa cattctcaac agtcacatct 60  
ttttatctgt ttcttaatg gccatcaagg gcttatatat atgtgacttg agacacgaat 120  
ttaacaagag ttttcagaa caaaaaagtc ttatcctttt ataaagcaaa atcggtttat 180  
cctcttacaa attccttggc caaaacactt gtgattcaat aaggaattat ttgagtgctc 240  
aaattgttca atctatctct ttcaagagag atttcttctt ctcttcttct ttattctgaa 300  
aagggatta 309

<210> 33203  
<211> 335  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33203

agctngtggtt gnatttcat gggtgacgtg ccgcgttgag gaagaccaga taagatgaaa 60  
tggacgggct gtttagtttgc cacggcgtgc taaaacagcg cgaggagagt ctcaataggg 120  
gtgtgaaaga gatgcancat gagatggatg cttggagca gcagttacag atgggtttga 180  
tgaataactga tgtnttggaa gggtggttga tggataatca ggggaagaag atggccgggt 240  
tggagaatcc cgaggatgct tttgagtgtg cgatgtgct ctccaagcat atgcttgact 300  
gtactgctgc tgatttggcg attgaggaca cgctt 335

<210> 33204  
<211> 527  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33204

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ccggggctt ggggcttcat atatataatt tactcttttag anangcaaag ngnctntgga 120  
aagttcgttag tctttgtgct agctctcaag acacgtgggt tcaacggtga tgagacttt 180  
ttttttctt tttgcangct ggcaagataa gacgaaaaga aaaaacgccc ccntctttaga 240  
tcttttgcag aaattgcatt gcaaattaaa taaatccctc tttgtttcca ttaagaaaat 300  
cttacagtga agaaaaagttg aaacatttct cattggtaa gcataatgct gatgctggaa 360  
gtgatcacta cttcaattac cgaacaacct atccaaactaa aatcttgc aacatgatat 420  
gaggttatataa aaaaacatatt tcaataactgc gcagttcagt attgcttgag taccaaattt 480  
accctcgat tatatgataa ccaatatcat ggtctgagaa tgaaaag 527

<210> 33205  
<211> 318  
<212> DNA  
<213> Glycine max  
  
<400> 33205

ataaaatagtt gtaaaagtgtat tggcttgggtt gggcaccact tggctaaat taagcgttat 60  
taataaatca tttgcctttt aaaaaaaaaat taaacttcac caggaattga aatcatgcaa 120  
gtcggtgaca attagagcat ctaacatatc aatggcgaca atatttgtac tcccttgctt 180

caaataataag gaaaaaatat attctcttaa tctcaaataat aaaaataac tgatttcaca 240  
ctattaaata gcactatccc ttcgaacat ctttgatcta attgatgtcc taattacaat 300  
aactataactt tatcatta 318

<210> 33206  
<211> 292  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33206

atgctcttc tcggcatcat gcattacttt ctatgcttga aacaaaattg attggcttg 60  
aatgttgaa aagcatgtat gaaaatgatg aaactttgg agaaattttt aaaattgtga 120  
aaattcttca gaaaatggtt tcttagaca tgaaggctt ctttcaaag aaaaaaaaaatt 180  
gtgtgtgcct aaatgttcta ctagaaattt gcttgggtgt gaagcacatg aaggangtt 240  
aatggngcat tntgggtcc aaaagaactc tagaaaatta caagaacatt tt 292

<210> 33207  
<211> 398  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33207

agctncttgt ttactcgctc ttgggtgctca gaaaattcaa annacanatc cctcttatta 60  
ctaggctatt tgaattcttt agttcctgaa tgtacaacct tcanattgtt gctcggtccc 120  
ctctttattn tctggcaaaa ataaaatcaa tatcaaagaa aacagagaat tgtcatggtt 180  
attattactc gaaccagaag gaataacatc taaacaagtc attntattct tagaatgtga 240  
aaactctgca tatttatgga gaacatggng tatggaggca cgtaagtatg tgaataccac 300  
aagtcattnt ctccaattca agggattgat taattgctct aggaaaaaaaa catacatctg 360  
gtatattgtt tgggttgcag ctgtttggag catttgga 398

<210> 33208  
<211> 225  
<212> DNA  
<213> Glycine max

<400> 33208

tggaaaaaaaa ctggtaactag tgaattataa cccctggca ttcttatcat cactcaagtt 60  
gctatttgca ttattttatt tgtttcctac taaaaaccaa aatcataaaa atatttaat 120  
cctctttta atcacatcat ctggtaattt aataaacttg actaattgga aatacaatgg 180  
gtccttggg ttcaatatac gaaatttga gttcattgtt actac 225

<210> 33209  
<211> 494  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33209

agacaaccgg agttttgatg attctttgn cncncannnn annangaaca ncgggcacct 60  
gtacaacgac ctgccgcgtg cgagcacgtc tttagtttgc tcaacaagca cagacacccc 120  
gggggcgtta ctgttattaa cacatccac ctattgaacc gacttttagat gttagtcttgc 180  
aataatggat ggacttatac tctatactct gtcatgtgct gctttatgca tctaacatgt 240  
ggaaagtaga ggtttgcacc cattgaaatt gtgggaagcc ctattgtttt attcaaacag 300  
aacatatata gtgcttggcg agccatgttgc tcggtttgc tgcacccat aataagcgca 360  
cattagcaaa ttctgtataga attggctcct acgctctacc aatgattttg caggtttatt 420  
aaaatcataa gagtgcttcc ctgttataa ctatttatct tatccacgta tcttcctgaa 480  
tcaggccccg tacn 494

<210> 33210  
<211> 299  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33210

tcgccttcg actgcacgtt tctcaactgat ccacccnatt tgcttcgtt agcttcgtatc 60  
acaagaacaa accctaaccc cttttctgt ctcggatcaa cacaatgtca cactgtatcc 120  
gcgtgtgtgt gttttatgt gcaccccttgc ggatactcgg acgcgtggct gcgtgtgg 180  
tctggaaag gaatatcaca caatccaaac tcattggata ataagccag tctatcaggc 240

ccaagaaaact tacgagttgt tattctcaact ttctgtttagat tatttgacc cataactttc 299

<210> 33211  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33211

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gcgactggtc ccttcttcc ctgcgaact tgagttcatt attgctaccc catagagctc 120  
cgcgaaattt gttccggcca tactcttcct tgtgagccct cttggctct tttcaaggg 180  
ctcttgcggtaattgcattc tcttcccgta acccggcaca ctcctccga acgtgtgttag 240  
cagccaaactt gaacttctcc ttggcgagtt ttgccttcc taactcgctt ttgagagctt 300  
ggacttcttc gtccctttcc ggtgcttcaa aattctcttc gctgacgact nttaacttgg 360  
cgagccaaatc taaacctcgatgcgaacct tcagccattc gt 402

<210> 33212  
<211> 580  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33212

agcgctgttnnnnnaactgat ntcattgtat caccgtgaca cnctangaat anataaggct 60  
ntgaggggtgcgtccccca cccatctttnn ttcatagtag aagtatctta tatatgtgtt 120  
cntacncatc acgaantatt cgtcgtcgcc ttttctatc tattgnnggg gtacnnncaca 180  
nntggggccc gcccagaaat cccttccacn cctttanag cnngtgnnnt ctttgaaaag 240  
atcacgcttc ccccttttc ttgcaaattgg ttctatataat tgcattccta ttccggaaacc 300  
catatcaaaa tatgtactga tacttgctta accaaaggca accatataagg tcctctccaa 360  
aatggactc cgaaagattc caagtttagtgc taccacgtaa cagctacccc agtaagactt 420  
tcttgaaagg aatgttattac acattctcat ctttgcgtat ttcccccattc ttctgacaat 480  
acatctttat atggttcgat gggaaaagaa gtccccctt tccttgtcaa ggtcccagca 540  
ccttgacact tggaggggt gatgatattg tggcttaggn 580

G C G T C T = S O T T E F T G D

<210> 33213  
<211> 276  
<212> DNA  
<213> Glycine max

<400> 33213

agttatggag ttccttggct ggcagaaaatt tacttggata gacctaattgg cgcatctaga 60  
agcgacttgc aggtcctagt ttctctgaag gcttgctcat gcccacacat tcaactcaact 120  
tgcaggaatt tccggatcat gccaattgtc ttctgtctaag agatgtatggg cccaaccttt 180  
agacatggat gctgtacttg atagcattaa gaaactgtca tcatgtggac tcatacgac 240  
aggaggagtc atcttaaaaa aatcaaatga gccact 276

<210> 33214  
<211> 277  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33214

accggcaaaa gaatcaagtg gttcttatattt gatgacaattt naattatcctt gctgtgtatgt 60  
atgggaagcc tcggggaaaat ggacagaagg agaacgaggagg aggaacccat gctgtgactgt 120  
tcgttccttag atggccaaat tccccactaa ctcaacaata tcaataatca ggccaatatc 180  
aacccttctc attacccacc acctatcaac caacaatgtctt ctataagtcc acaaattgtctt 240  
ccccttagatc agccactaga cccacctgcc acacata 277

<210> 33215  
<211> 485  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33215

aggannagag cnncagggtga ctgatncctg aaaaactgna nnacnggnnaa tnggcaaaga 60  
ccncnananc gaccngcagg cngcaagcnn gnnttgnant tttgttnaaca ccccacacnc 120  
cggggggcagg gagagattca aacaccaccc caccgccccga aacaagnaca aagttnggaa 180  
gacaccacca tcacaaaagg aagataacgc cagggagacg ccacaaggac caccgcggga 240

agccccaaaa aaggcaaca acgaacccag agagaagccc cagaaaaaaaaa tgcgaaagcc 300  
aaaagccccct gcaaggaaaa cgagccaca caaccacgga aacgagcagc agcgaaagc 360  
acaaatgaaa tcaatcaaaa ggaaaaacga aaatacaaaa gagatggagg ggccagccaa 420  
aaagctggc cacagggaga caaagaaaca gaacgaaaaa caactggcag ggccgcccaa 480  
gcact 485

<210> 33216  
<211> 303  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33216

tgctcatttc tgctccaaat cgcgaaattgt tatcttttc ggagtcntga agtgcgtggc 60  
tacgagtgtg acttcgaaaa ttccagggttg ggtggacttc tttctctttt aaatttcgtg 120  
ggtatgggt tttgggagat atgatagggat ggtttgttag atttctgctg tgtaatgatt 180  
atttgtgaag gaacttgtt aaagcttgcattt gaaattgcca tgtttggatg agtttagacat 240  
acccattctg ttttagggtt ttgtgatgtatgc tgaaattgccc tatggaaact 300  
gtt 303

<210> 33217  
<211> 636  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33217

tgannttcat acccnncngc nnnccggggaa gtaacggatt cacnacnnat ngncnacncc 60  
anggnngaat tngnagctcg gtacgccccgt gatccatcta gaagtcgacc gtgcagcgcc 120  
agtgcacgt ttgtacttat gttcgttatga gcaattnca atgaacgttg catgaaggga 180  
ttnttatctt catcaacagc gcatntcatc atattaacac tatagggtcc cttcactaga 240  
gtctatcgat ttcaaaagaat gtngcatcgt gaactagtct gataacatgt ctgctttctt 300  
aaatattgac atttgacat gtttagcgaca atagcaaata gataatgtga gagcaaataa 360  
cagtcttcac ttaattgaat gttcataaga ttccgagtaca tgacatatct attatatgag 420

gtacttgcaa gcttgtaaca tgcgtgcata tcgtgagcta aaatgactta tctatatctt 480  
gtttatacaa taatagatta taacacgcat ttctttggaa ttttgttatga tagcatctct 540  
gtacaaagta acgatcgatc cagtactcca gaatgaatgt gtggcttata cgtggggcat 600  
acattcttac gaacatgagg tntggaaggt gttctg 636

<210> 33218  
<211> 339  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33218

tatcggaaagt ggaatttcta gataactctt aaacctcttc tattacactt aatntgcaag 60  
agagctaaat tctccaatgg tcatcctcca attgcaactt tggtaatatt caagaaaaat 120  
attatgttagt aattgatttg agaaacatct atanaaataa agtcagttga aagatttagag 180  
ataaaatttag atttgtacct tgattgtga taatctcctt tgctcatgta aaatgccacc 240  
cactaagaat actcatgtat gctgccanac atngntaggt ctattgatac ggtagaaat 300  
caacattgtt acaaataact ttctgaggta atgacttga 339

<210> 33219  
<211> 412  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33219

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taccttatga ccagaagtgg tacatcaaac cacaaagaag gtcaagtttta tccaagaaaa 120  
gatgacgact gctcanagta tgcagaaaag ttatcatgat aagatgatga atgatcttga 180  
attcgaggggt ggtgatcatg tattctttag agtcaactccc tggactgggg tttgtcgagc 240  
attgaaatcc cgaaaactaa cacctcgctt tattggtcca tttcaaattc ttaagagaag 300  
ttgccctgtg gcataccaaa ttgcattacc ccgtctttt ctatttcac aatgtctatc 360  
atgntgtctc aactcataag tatatccctg atccatccca tgtgattgaa tt 412

<210> 33220

<211> 407  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33220  
  
ncccacgtga gagataccaa gatctccggc acttagataa catcctccga gaacagatga 60  
tcaagagttt gatgaaacta atatttgaca aaaagctcca agtcgggagc ttttgtgant 120  
acaagatgtat gatctcagaa tcaagaatga gntcagatga atcaagacac ttcaggttca 180  
aagganattt attcagaatc agaatcagtt tcagattcag tccaagatca gatcagattc 240  
agatcagaga gactcatcag atagttaaa aagtttcaa actggcagcc atgatttctc 300  
aaactttcca agagtttact cttagtatcg atccagatat gtatcataacc agtacaaatg 360  
tttcaaatga ctacacgtg aatcgaaaac atctcggaga ttaagcg 407

<210> 33221  
<211> 390  
<212> DNA  
<213> Glycine max  
  
<400> 33221  
  
agtttcatct ttctaatatt ctcactaaac ctttggctga ggacaagttt aaatttattt 60  
aatcttaat taatgc当地 tggttactg atctctaatt aagcatgata tttcatgttt 120  
atgctttga ttgagcgaaa tccatgcttgg ggtgctaaat atttgaaaaaa tttgatgtac 180  
ctcgtgttttgc ttaactaaa ttgggtgttgg ttgccaattt ctattacatg ctcattaatg 240  
gtgattatgt ttttaccatt caaaatctat gttttctga tatatctatt ctttctcctt 300  
ggctctacta tataaacaag tgtggtaaa caactaatca caccactcac atctctctca 360  
atttactctc tcctcttgcc tctctggaac 390

<210> 33222  
<211> 277  
<212> DNA  
<213> Glycine max  
  
<400> 33222  
  
atcctgatga tgggttacca tatgttctca tgattggact aatacatttgc tgccccaa 60  
gtcattgtct tgtgaagatc ctaataagca tcttaaggag ttccatatttgc tttgttccac 120

catgaagccc cctgatgtcc aacaagatca tatcttctta aaggctttc ctcattctct 180  
agacggagtg gccaaagatt ggctctacta ccttgctccc aggtccattt tcagctggga 240  
tgacctaag agggtgttct tggagaaaatt attccgt 277

<210> 33223  
<211> 412  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33223

ggagagacgg cccctgatca tgctatntct gtanccccgn atnngcanga cggganctt 60  
aagagggtga gcagnnttg ngtgnntgna ggnnaanag gnngagnaat tttaaannn 120  
aaccccccac gcggggcaaa aaacgaaacc gcacgncaa aaagaaaaaa ggaaaaagaa 180  
cacacaaaca cgcagaggca agacaaagac aaccacaaaaa cgagaaaacg aacagcaagc 240  
aaagaaagga aagcgacgaa aggaagagga acaaacacac cagggcgccg anaaaaagaa 300  
agagaggagg accaccagac aaaaaacaca aagaaccacc aagagcggga acggaaaacc 360  
aaccacggga ccacacacaa caacaccacg aagacaaacg agaaagaaga cg 412

<210> 33224  
<211> 410  
<212> DNA  
<213> Glycine max

<400> 33224

ttcttgatg attatgggt acccatcaca tgtggacta ggtggcggtc gggcgatgg 60  
gcacaacaag tttccacat ccacaatgcg cgcataaacc caccatcccc tttgcccac 120  
ctccatctaa gtcacgtac tcccatgttag cccatatcct catttctctc aacaccgggt 180  
ccccatcaat cctctcaagc ttccacaaca tccaagcaaa acaacattca aactgcacaa 240  
gctatcacag ccaagcaaaa cagagcatag gcagaaaaact ttgccaaaac accaaccaaa 300  
tcacagctt tctcacttaa agacccagt aacaattcct tcgttctggc tcattaaccg 360  
ttggatcgaa ctgcggaaatt tactggaagt ctctaatact taagcctaca 410

<210> 33225

<211> 370  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33225  
  
ntcaacatca gggttggggc agcanggaca taaaagtatc tattctatnc caatnctctc 60  
cctttgnctt tgtatTTAGT atTTTTAA aATTGAACTA acATTCTATG CTCTTAAGTT 120  
tggcttcttt tcataacttgt atataaatgt aagggtgtccc tttcataccC cctttgtgt 180  
tgcttgaca tgcttgag ntTTTGTtt tcTTTCTC ttTNTGATAA ttTgattgga 240  
catgcttGtg agTTTTTGT ttTCCTTTC tcTTTNTGAT aATTGATTG atgtgtgagc 300  
aatgatggtt aggaggggag aaaaatgtct gaattctgag ctatggcatg catgcacggg 360  
ccccTTGGTG 370

<210> 33226  
<211> 169  
<212> DNA  
<213> Glycine max  
  
<400> 33226  
  
cgacatcccg catatgtgtt gTTTATGAC atTTGCAAG aaaaaAGCTT atTTTATTT 60  
tggttcaacc ttctttatga gtctctattG catgcaAGGA aggtggaaga gcacactaca 120  
ggTGCgaaatt ttatctgaaa actccatgaa tacagggTCC ttTCTTtG 169

<210> 33227  
<211> 337  
<212> DNA  
<213> Glycine max  
  
<400> 33227  
  
atagttAAGA agacccgagt aggaatgagt tgaatttAtc tatgaagcat gaaatttagcc 60  
gcagccattG aatcagtctc aatccaaAGC tcTTTAAAT taagctccc cgcatgctcc 120  
aaAGCAGTAA tgagccccca aatctctact atcataAGAG aacaacaACC caatttcctG 180  
gtaaACTCGT ttatccaAtG gccattacca tcacgcAtca ctccaccaca gctagcTTc 240  
tcGCCAACAT ctataacaga agcatcaaca ttgtacttaa aatagccac tgaggcaacc 300  
aaacaAAAAG cctatccgca gaacaaggTT gcccAtG 337

<210> 33228  
<211> 202  
<212> DNA  
<213> Glycine max

<400> 33228

ggcggtgctc tgcccgatga tccgaaagac gaagttgttc ttggAACGCG ggATCCACCG 60  
acccacagct actacgctgc gggAACCTCC ccataggacc acaactagaa tcaagattac 120  
tactaaggcc agccatgatt acgacggtct taccgactgg aggtaggcct gcccatccga 180  
cgctaataca gtggacgtac tc 202

<210> 33229  
<211> 277  
<212> DNA  
<213> Glycine max

<400> 33229

acaaatcaat gcggagacat ttttgtccat gcaaattcgc tcactttcta taagcttctg 60  
cttattagtg cacagctcct tcaataattt accatatctt ggaatttgct ttattgcac 120  
caacaggagg atgtttacct ctactttctt aaatgtttcc aagatcttt tctctgccta 180  
ttacacatTT ttgttggaa ctgctcctgg aaggaatgga agatggatgt gctgcttctg 240  
ccaatctcaa ttaccacggg cagaagattc acctgca 277

<210> 33230  
<211> 356  
<212> DNA  
<213> Glycine max

<400> 33230

accattgtgt tgtggtgcat atacagtcgt aagctctttt cgaatgccat gttctgcaca 60  
taaacatTT catattcttg tggagcaata ttcatcacct cgatctgcgc gaagagtctc 120  
tatagacttt actagctcat tatcaacact tgctttgaag ctTTTAAATG tacaaaacgc 180  
ttccgattct tcctgtataa tataaccGCC atgtttctt gaataatcat caatgaagca 240  
tattaagtat ctcttacctc cattagaaaa tgggtttatt ggaccacaaa tatcagaaaag 300  
caccagctcc aagacatcta tagctctcca tgactcttct ttgcgatact gagatc 356

<210> 33231  
<211> 255  
<212> DNA  
<213> Glycine max

<400> 33231

ctgggatctc aatcaggtct gggagtatt taaggtcaca tatctttata ttcacaaaat 60  
tctgttaacaa gaaaaaacca tcacaatgtt cagaaattat taagatgcta atcacggccc 120  
taactaaaag aaaaatctaa tcattcagat gagaaaaggg tgaatagtta aacatagaag 180  
aatcgatat cgtgcattag tatacacatt gttagctgaa ttatacattt cctaaggac 240  
tatgtgatat agacc 255

<210> 33232  
<211> 377  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33232

cccaaggcgg agttgttcat ttttgacaca nnatttggna nggcgcgaa agcgacgggg 60  
cggcaggcga gttattgtt acacgagccg aacacggggg ggtacgaacn naaaacaaac 120  
accggacacg gagagccaac cacccagagg gagcggccgc agagaggaga agacagggcc 180  
ggacgagaac cgcaacacgc aagaaaagcg gcaaaacaca cgaacaggg cggccacacg 240  
agacgcagac gggaaaaaag cgccagacccg gcgagaaaaa gggaaagac gcgaacagaa 300  
gcagggcagg cggagacacg aaggaaggaa caagcgcaac gaccggcgcac gagggacgca 360  
agtggaaag acaagan 377

<210> 33233  
<211> 479  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33233

naaaaactgtt ttaccccagg gatcgnagn acganacnn nnnntnggn nanacaaccc 60  
cggccangga ncagnaggga taaattgtcc aaacanctaa gtcanattat gagaaaaatg 120

ctaagacagg caggtgcggg catgtgtaaa aagtccgata tgacatgatg cctttanatg 180  
tagaaatagt tcaattattt ccaaaaccga aagatgagtc tttaagcatt gatgcctagt 240  
ctgaataatt caacattgta tcaggactga ttttcactaa taacttaccg cttgtaacgg 300  
aatatatgtta ggtgttgatt attctaacad acatgtgaac attagtgtac aaatggattg 360  
tgactacgaa gagtagacag agcttcttg cctgtgaatt aaaagtgcac tcccaccaag 420  
cgtaaacgga ggccttgaac aataccttct gtgataacaac cgactctaaa gtcatacac 479

<210> 33234  
<211> 504  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33234

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tgcggtnat tgaactgcaa gcatgcgaag cgcgatttc tttcttacct tccttagcct 120  
cggagagcga gggcgacaac catcagtgtta cccatctcca cttttggatg ctcagtgtac 180  
gtaacagagt gccggcgacc atccttgaga aagagcttaa ggactacacg aacctatcaa 240  
cgaatcctga ggttcataat gatgttatg ttgagcgaaa acaccagcta ggcgcctatg 300  
gctccttacct tgccttcctc ccacgaccac tgtatataga cgcatcacct acactaacac 360  
catcgatatac accgaactct ccacgaccat gatcaggacg ggttagcact atgtggaaag 420  
tgatgtgttag tcgtaaggtc atggtcatgc taccatgagt caaaaaagtg ctgcattgt 480  
tgatcattac tattggataa gggg 504

<210> 33235  
<211> 233  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33235

acggggctcc acttcttgct ctctccttca ataatgatac cctctanagc tccacaaatt 60  
gctcatcatt tgtaccccaa attgcaaaag gaacccattc tctgagtcgt gaagcacacc 120  
tctacgttgt gggcattcaa atctcaggaa tgggtgaaat gcttctacat gaatctcg 180

ggacttggga tatagggaga tatgacgcgt agtgctacta cgtttatgcc tta

233

<210> 33236  
<211> 325  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33236

gcaccgggtt gatgatcctg anctcgatt tagtagtaca acnccncgna ggggaggcgg 60  
aactttcttt acctgttgac acacgggggg ggtgggttta taaccacca ccccaccatg 120  
aagatgccag gtggacggct cgcttccac gacgctgagt gtggAACAGA CCTAGTAGAG 180  
cgaAGCGTAG ctacaaggtg ggggacaaga ccaaAGGAAG gaaccactcg tggTgAgCgg 240  
tgggacgccc tcgcgggtta agaggaatga gtggatcgct ggaaggacgg aactcctaAC 300  
taggcaccgg gcgcgtgtac ggacc 325

<210> 33237  
<211> 501  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33237

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cgggatcctn agagacgacc tgcagggtgc aagtttgttt tcaacttttc taacagnnnn 120  
gagccagaaa atagtGCCGT aaattactca tcaacacaAC ttggggacca atgataACCA 180  
ctattggcgt aatgcttgac atacgatgac attgggcctg gtgcattga tggTACCCGA 240  
gcatcttgtg aaAGCCCGAT tttgacatcc ttGAAGAACT tatatgaaAC atacgaccAC 300  
ttgaaaaatg ttgctgaatg tagccatagg ttgatcatca caggtcttat tggttgaaa 360  
gactaataaa ctttgatgtg cttgaaatgg atgggaggaa gctatattta taaggtaAAA 420  
gatactttaa cgtctaaatg tgaactggcc ggtcttgata tggtaatgg agaagtaATA 480  
tgttaggctaa tatctaATGC g 501

<210> 33238  
<211> 256

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33238

aaagtatcatg atactctagc acatcaatgtt catcnctgtt tattagacca atcaaaaacct 60  
gcggtaatc tgccctgaatg agacactctg acagacaaac atttccatat agacttacca 120  
tagcctcaag gacacgctct tgaatttagtt cgttgcctg aggctataaa agagtcacga 180  
aaatatcctt tatccgagtt gcatcagaat gttcctcattt ggcatcgact atttcctcta 240  
agaccgtgag tgcata 256

<210> 33239  
<211> 366  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33239

actttgattt ctattcaat ggaggcngaca agaataaggtn cagactgatc aacacatgtt 60  
cagtggccaa ggatgcttgn gagatcctaa aaatcactca tgaaggaaacc tccaaagtga 120  
agatgtccag attgcaacta ttggccacaa aattcgaaaaa tctgaagatg aaggaggaag 180  
aatgcattca tgacttccac atgaacattc ttgaaattgc caatgcttgc actgccttgg 240  
gagagagaat gacagatgan aagctggtga aaaagatcct cagatccttg cccaagagat 300  
ttgacatgaa agtcaactgca atagaggagg cccaagacat ttgcaacatg agagtagatg 360  
aactca 366

<210> 33240  
<211> 251  
<212> DNA  
<213> Glycine max

<400> 33240

accgggtgtt ctgactgaat ggaaacccga ctaacacgctg cgccttgttc ttttaacccg 60  
gcggatgtct tacttccatg actggggtgc aatgtggcag tgtaagacga tactaggcta 120  
tctatcctaa tactaagtga tgtcttctga aatgtctcct gtgatgacaa gcaaattact 180  
aagaaaaaaga actctaatttga ctgttagcct tggtaaccc aagtttgctc gtaccgttac 240

atagaatggg c

251

<210> 33241  
<211> 496  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33241

nccacacgtg aaaaaaacct gacgnacgac nnccnnntng ataanaaccc cgcatggaga 60  
cacatatact gcgatcgata gccaaatttt ttttatgag atgcacacaa cagccacctg 120  
cttggacgag ggacaagact agggtctcaa aggacggtga taatgagaga gaagacccta 180  
ctatgactac agttcctatg cacacaaagg taccatcctc ccatcaatgt acatactcag 240  
cctatcacac aaattcctct gcccccaccac cctgtattcc atagaggcca tacctgagtg 300  
ctccacatgg tctgtctatc tctctaccga tagcataacc catctttgc tcctacctct 360  
gcaccaggct taaaagaacc gtggtcctct aatcgtggaa gattccccac acatccgagg 420  
gactgtgctt gagtggctct cacttgtact cgaaaattct catggatagc gttaaccct 480  
ggctgggttg cctggg 496

<210> 33242  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33242

agcttatgtt attgacctcc attntcaact ctaagcttga ttttcaacttcc attctttgc 60  
tctattctca ctgtatattt caaaaccta ttttgaactc tttaacgttg gaaacttgaa 120  
tctcaactcc ctcattcttc cttataaaact ttataaagcc tacaacatgt aaagggggtc 180  
tcaaactctt gaaccatgtg cttgctgttg aacttacatg aacatgttgc ttccaaattt 240  
ttgagcttgt tgcatgtcc tgaatctatg tgctgagttg ctttccttaa gttttttatg 300  
ccacaaatga gttcttgca tgttaaaaca taaagttagc ctaaaatgtc acccaaatcg 360  
gag 363

<210> 33243  
<211> 433  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33243

gcttcacaat ctccccttt tgtgatgaca acccttttt cttaaacaca tacacatact 60  
ttttccatgt cgattattca ctttaattctc catattctcc ccctttgttt ttgagtttaa 120  
gcttcacttt aaattaagtt atttaattat atgagttctt gattnaatcc ctatttctc 180  
tcccccttg gcatcaacaa aaagccaaag tgcataagaa atataaaaca tacataaaatg 240  
attataatat cactagacat atatcatcaa aataattaag tttaaaactc ataacaatta 300  
agagtaagta aatataatca tgttcagtt tactaatcaa atattaaaag aaatactaag 360  
tattcaaatg tcataanaat ataaatcatt tggtaagtc actagcatct tgcagtccta 420  
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<210> 33244  
<211> 426  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33244

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gcgaacccaa accccagggc gggcncaagg accaccacac acacgccccgc aaagaagaaa 180  
ccaacaacac acccgccccc acgggaagaa caaacnacan acaacaacca ccacggggac 240  
gcaagaccna gagggaaagac cgcgaggcac ngagcccgca cnggaccggc ggcacagaac 300  
agagcccaa caccaacaac gagaacgaca acgcfagcaa acggaccggc agancgagng 360  
ccggcgaaca agacggaggg gaaggggann caaaccacga cccaaagaag acggaaggag 420  
gggccc 426

<210> 33245  
<211> 504  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33245

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ctncgatcac ctaaggtcaa gctgcattgt ggntggtgct tttttataa ctgcctacac 120  
atacgggggg agatcgatct gacaatacaa ttggacacaa catatgctac attactactc 180  
aacagatgca catagaccct acctatagat gcttactagg cctgacgcgg ataaatataa 240  
acagagaggt cccttcatgc tacaagcaac gctggaatct gaggaggatg ggctatttct 300  
tctaagaccg tgagaggatg accttcatgt gagattatct taccatacgt cgcaactagga 360  
cgacgagaac gaataacttgc tcatgtatat tctatccatg cagaggtgcc acatcctata 420  
ttggatatat ctccagttca atgctcctgc tagacgggtc accataagct tgcatacgcg 480  
aagtttagag agcaactata gctn 504

<210> 33246  
<211> 401  
<212> DNA  
<213> Glycine max

<400> 33246

tttcttctca cattatagca aggttcgcatt tggtccatta tactttacgg ctaaaatggg 60  
tatgtctctt tgcccgataa taagccccgag attatactga gtggacatga tgtacatctc 120  
caatgtggcc ttcttagtatg gataatcctc tcctgtgaag catggtgacc tcatgacaca 180  
tgctacactca acaacgaatt ggatgttgtt gttatcttcc atcaggatct tttgctttag 240  
acattgtctg gtgtataacc tttataggct cagctctgat accaaatgat aatggcaaatt 300  
atcaaaaagac gggtggtgg attgtgatataaaaaattt tacaaactta cttccttgaa 360  
cataaacgtt attgcatgat gataaagcac gttaaaaacaa a 401

<210> 33247  
<211> 406  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33247

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caaatctata ggttaaaaat aaatggcact agaaccacaa gttcaactgg attttagtca 120  
aaataagtgc aaatggtggg aggcaacaac gtaacctgtt aggagaaggt ttgggaggct 180  
atacaaatca tcctgttggta tatgtaatta atcttagttt agtccaagtt cacatttaat 240  
cttagtgagg ttcaggtggg atcagtatcc tctcgttattc ggnggtaaca tgtacaatat 300  
ataactaata taaagggaaag tttgatntc tattnaattt tctcttttt ctttacagag 360  
ttaatngtat actccgaatt tctatattat tttgagcga gcacatct 406

<210> 33248  
<211> 379  
<212> DNA  
<213> Glycine max

<400> 33248  
  
actaccggat ttgtatctt gatgggtgat tgggttctta catggagttc taagaagcaa 60  
ggcattgtga cactttctac ttgtgaagcc gagtatgtag ctgcaacttc ttgcacatgt 120  
catgccattt ggctaagaag attgtcgag gaacttcagt tggcataaa ggaaagcaca 180  
aagatctatg ttgataatag atctgcacaa gagttgcac agaatctggt gttccatgaa 240  
tgacagtagc atatagatac aaggtatcat ttcatttagag agtgcattac acagaaagaa 300  
gtagaattga ctcatgtgaa aactcaagat caagttgcgg atattatcac caagcctctc 360  
aaatttgaag atttttgaa 379

<210> 33249  
<211> 422  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33249  
  
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attaanagaa agagaataaa atagaggaaa gagttaagat agcactaact tttgcattat 120  
tggttggatg gttaagaaat aagataatga gggaaagggtc acgggttcga tcgctttgc 180  
taacaagaaa tcaacaaact aaccattaac aaataaagaa agagaaccga agagttgaa 240  
ttatgagaat gtaaaatttt gacacatgta acgttatcca agtatggta tctcgtgata 300

ttnttcaatg aagggtggcg tatagaggct nttnnnnntgt tngcctatga ctctctattt 360  
ataaaaatcat atatgtgtnt aatagaggca gataaaactcc ttaatttaca aaataaatata 420  
at 422

<210> 33250  
<211> 409  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33250

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tgtannnngn cgtaatgat tttgggtttt gacttgttag agctgttgtt ttgtgcctga 120  
tgagtcttga acttatggaa atgtggagat tgtgttgctg aatttatgac tgtatgttgt 180  
cttttgtggt gataggaatc aacaatatgg gcagcggtct tttcacaagt actggcagta 240  
aatgacgcga cggtaaagtt tgagattgg gacacatcat gacaagagat gtagcatagc 300  
ttggctccga tgtattacag aggtgttact gctgctatca ttgtctatga catcaactagc 360  
tcggtatgat atctttgcat ttggatattg ttgaataacct atttaatg 409

<210> 33251  
<211> 420  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33251

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cggtatataat ctgacacgccc tcgaaatttg aatgttgaaa gctctgagcc aatttcaaca 120  
acaataactt tttactcgga tgtccgattt agtgacgtaa tatatcgtga cgctcaaatt 180  
tgaatgttga acctctgagc caattcaaac gacaataact ttgtactcggt atgtctgatt 240  
gaaatcccgta atatatcgag acgctcgaaa ttgaatgtgg aacctctgag ccaattcaaa 300  
cgccaataac ttttactcg gatgtctgat tgagtcccgat attatatcgaa gacgctcaca 360  
attgaatgtt tgagctctaa gccaaattcat acgacaataa ctttctactc ggatgtctga 420

<210> 33252

0

<211> 258  
<212> DNA  
<213> Glycine max  
  
<400> 33252  
  
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ccgagtaaaa cggttattgcc gtttgaattt gctctgaggc tcaaaattca atttcgagcg 120  
tcgcggata ttacggact caatcagaca tccgagtaag aagttattgt cgtttgaatt 180  
ggctcatagc ttcaacattc aaattcgagc gtcccgatat attacggcac tgaatccgac 240  
atccgagtaa aacgttat 258  
  
<210> 33253  
<211> 421  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33253  
  
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gaattgccat tccttggatt atagggttga accaagctca agctttaca aaaaggttca 120  
tcaagtcagg ttgaaatatg gaagtaacca tcctgcaaacc ttggggcaaa agatgaatcg 180  
agtcacatca ctgcttcgtc tactgccaaa catattnagg attattgttgc tccttggat 240  
ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300  
cccatatcct gcgtaaaaat tcgcaataact tcgactgtac atcattcgca tgcattccatg 360  
cttttcattt gttgcattgc tcattgcatt ctcccttga aaaataaaaat anaataaaaat 420  
g 421  
  
<210> 33254  
<211> 335  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33254  
  
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ccatgcaaaa acatctggat gcatttggta ttggggaaag tccttcattt ttcttattct 120

caatgtttt tttaaaaaaa tcctttgtt gtgtttgat ccaaaaataa gttaaaaaaa 180  
tattggtgt tgattcttc caaaacatgt tatgttcaag aaaaattttc tgtttgagtc 240  
ccaaaaagag ttataatcta taactaaact aacaaaatat caaaggcagac ataaaactagt 300  
caaaataaac tagccgtagt ttttcaaaca aaaaa 335

<210> 33255  
<211> 98  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33255

taggcgtaat caacagacac gctaaaggct ccaattacta gccttataat aaatacagcc 60  
cgaccctgac actcatttca gtacgtgttga taataccn 98

<210> 33256  
<211> 421  
<212> DNA  
<213> Glycine max

<400> 33256

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tttgaatttgcgtttagactt caacattgaa tttcaaggctt cttgatataat tacggaactc 120  
aatcagacat ccaagtaaaa agttattgtc gttgaatta ggtctcagcg tcataattca 180  
atttcgagcg tctcaataga ttacggact gaatcagaca tccgagcaaa acattattgt 240  
cgtttgaattt agctcagacc ttcagaatttca aatttcgatc gtctcgatataatttgc 300  
tcaatcagac atctgaggaa aaaagttattt gtcatttgaa tatgctgaga gcttcaacat 360  
tcaattttga gcgtctcgat gtattacggg acttaatcag acatctgagt taaaagttat 420  
t 421

<210> 33257  
<211> 440  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33257

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agancgtcgg gggacaagaat ttttatgtg gtttantcca canggaggc ggaaatgggg 120  
ggatttacct agataatatc ggcgttagagg aatcagttt tattcagcaa ctggcggtt 180  
tttggcggt tgatcaaatt gatatatgt ggcacgcgc ggggtgaat ttgactaac 240  
tataaggaga atcttatctt ttctaaaaat taaaagaccc aaacttggg tttaaagagt 300  
aaatttgcac ttgttcgctg acctatttgt gttaactgag tttgcacaaa gttggactat 360  
gagatttctt ggcagcctt atgatgagaa aaatcttaag tcgattttag cgaattagtc 420  
ttaataggca gatatttatg 440

<210> 33258  
<211> 395  
<212> DNA  
<213> Glycine max

<400> 33258  
  
cctgactcac cataaacctt gacccattgg tagttgtca atccttaccc tcggaagcaa 60  
acaaagaata tagggaaat ttccaatcaa agaaaaagag aaagaaaatt tccaatgaaa 120  
gcacataaag ataagaatga atattccccca gtcaaagagt gggagaaagc aaaaagaaga 180  
gaaaggaata ttccaatca tagaatgggaa gaaagttaac aaggaagata aacaacgata 240  
gaaagctcct gatcaaggat cgaaagacaa cagaagaaat gtgcagagag gtctttgtga 300  
ccgacaatat ctgaacaata cagaattgcc accatatgaa cgataaaaga atgaaaggaa 360  
accacgacct agaatagtct tctacccttg attac 395

<210> 33259  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33259  
  
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tggtaata aagtggaaatt ccaccttattt gatgttagat actacttga agcatatgaa 120  
ggcattttag gatgttgaat ttcatgacag aaaatatgct aatgagttaa gaaaaggat 180  
aggctgcct tcctatgaag attgngaata tggaggct attctaccat tcttgagcat 240

tttctataaa gtcactttgc gcatctcaag tatctcttat gttacttagta acatttacat 300  
gttagaggtg gtaggtattt ggcatgggt tatggatttg cttaactcta acattaaaga 360  
tagcgctaca cataagatgg ctaaaaatat gaaagaaaaa ta 402

<210> 33260  
<211> 137  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33260

cataaatcta aattatcaa tgtactcaag acgaaataat aataaaaactg tncaaaaagc 60  
atggaaataa aaaggctgat attgacaatg atcctgtgta tgctcattca agtccagtgc 120  
tggcagat gatggat 137

<210> 33261  
<211> 367  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33261

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ttcagcattt ccagcaaact tgagggaaatc cgacgatggt gcatctgaag cacatatcat 120  
ggcagacgag caaccacaaa gggttactct tggattac tccagctcta ccatgccgca 180  
attttcaca agcattgcgc ggccgttagt ccaagctcac aacatcacat atccatattc 240  
cttgatcaag ctgatccaag gaaatttgtt tcatggtttg cccaatgaag acccttatgc 300  
acacctgca acatacatag aaatctacaa tacagtgaan attgcagggg tgccgaaaga 360  
cgcaatg 367

<210> 33262  
<211> 229  
<212> DNA  
<213> Glycine max

<400> 33262

cagccttgcc ttatatttat ctgtcttct tcacagctcc ttcagcagtg ttagtgaagc 60

tgacttcaaa tcccatgaat ttttgtggg gacgaggtgc tgaatggaaa aacatcgctt 120  
ggatggcttg cgatcatata tgtactccta gaaatcaagg atgtttgggt ctcaaagcta 180  
tcaatgatct taatacagcc cttcttattta aatggaagtg gctgatgtt 229

<210> 33263  
<211> 399  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33263

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acatcaaaaa ggccaaagtg cgtaaaatat gaataattta atcatacaca aagcataatt 120  
tgtaaaacaa acataaaaga ttctaaaaca tacataaagc aaaacatgaa taaaaccaaa 180  
ttgtaatgca aaccacttag tcatastatca caaaccataa atatcatgtt cagtcatact 240  
aagcaaatat taaaagaaat actaagtgtt caaatgtcat aataatata tag ccaaatacac 300  
gactagaaat caaaatacta ttaataatata tagtctaa actgatggtg gtggggagg 360  
taaatcaatg cagtcgcgaa tgatggtgac atcttcttc 399

<210> 33264  
<211> 345  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33264

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tgatcaaaaat gaaccattat aactttttat gtttgatctt tggtttatctc ctatctaatt 120  
ttaagtgaca tagaatttga atttgatttt gatattgaaa atctctttta ttttataaaa 180  
tagattttca ccatttgaat gtgtttttt gaagaacgtt tgtctatttc gttaatgttt 240  
tcatccaaat gataactnta tttgctttta aaaggcatta aaaaaaaaaatt ctaaaatgac 300  
catntaacta tctttgtga tatngctt atactatatc atatg 345

<210> 33265  
<211> 397

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<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33265  
  
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attcaagtta gtgaaacttg gcggttgcc aagaatcgga tgttagttat gtggtaaga 120  
tgaactggta taaacatcat gtgtcttata ctgattttct cttaaacta acttaagg 180  
tgaatttgat cttgctttt gaaaaaaact gatccaataa cgcttgcata gatatgaaca 240  
aatttgataa atatttataa ctctcagata gagtattaga acggaagact tcattagatg 300  
atgaactatt gattctcagc catctctggc aatgaatgaa cagttcaaaa tgctntctt 360  
gcgtattctt gataaagcag tgtgtatata cagatgt 397  
  
<210> 33266  
<211> 363  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33266  
  
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caacagccac atcttatat gtggctcttgc aatggctatc aaaggcctat atatatgtga 120  
cttggaaacac gaatctgctc agagtgttc agaacagata ggtcttatcc tcttataaag 180  
cacaatcggtt ttcttctctt acaaattcct tggccaaattt acttgtgatt caataaagaa 240  
ttatggagt gctcaaattgg ttcaatctat ctcttcaag agagatttct tttctcttc 300  
ttcttcattt tgaagaggga ttaagagacc gagggctctt tattgtgata ggattctaaa 360  
cac 363  
  
<210> 33267  
<211> 405  
<212> DNA  
<213> Glycine max  
  
<400> 33267  
  
ggcttgcttt cttagtctag accaggaaga taaaagtgtatg tggacgactt ggagagattt 60  
tatgtgtgtt attaatgatt cccttaccca ccccgcaata tcaagaagcc ttttcaaattt 120

ttagctcata tttatatacct ttggatccct ggtgggatag ctttggaaat tatgatcata 180  
actaaatgg atatccctaa acaggtggaa aaaatgataa aaggagcgaa caaacaggaa 240  
aaaaaaaaaaa aagatagaca cttcttaatg ttttagatta gattgctta aatttgtatc 300  
ggatgagaaa gtcttacatg aacatttcgc tcctactgtg agacccaaat catcattctt 360  
cccccttaat taggcttgaa tggaagattt gatctgatat atcat 405

<210> 33268  
<211> 290  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33268

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tcctcaagtg ttatggagtc ctgtactaca ctaagacaac tcattaaatt atcataagag 120  
ggagggagag aggctaacaa aatcatcacc aaatcttcat ctccatctt gacaccacta 180  
tcgcgtagct ccatcagaac aaagtttagc tcatcaagat gtttctttag tggcacacat 240  
tcccttattt ggaggccaaa caaacattat tccataagca acttggta 290

<210> 33269  
<211> 417  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33269

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ctacttgctt agagaaaagg tggtgagata ctgtccaaa aaaagagccc aacatcagca 120  
aatttagagaa caattacaga agtgttcaag attaaggact tgtagaactc cacttcctga 180  
tcctcatcgc cacagatcaa aatgctatgc actttgccta aaagagttt acaaaagcag 240  
gaaaatacaa cagctattac actatttca ctaccttgac aaaaaaagtt catatagtaa 300  
gcacttccgc agttccaaga aatttggtga ggttggaaacc ttcagaaatc acggtttaag 360  
tctgcaaatg aatatcanaa ccaagttgtc aagaatatga tcctacttag aattggg 417

<210> 33270  
<211> 390  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33270

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ttgttgttcc ttcatttttc tccatgtatc tcctcacatg tcttgatata aatgttttta 120  
acatgattct taaaagtttc caccgattaa acttgctata gaagctagat ttgattttct 180  
atggttcaaa ttcttgttc ttgaaccatg aattgtgttg agtttagctt ccttgagtt 240  
ttgtctgtt atttttgtt ggctgaaacc tagaccatta aattcttaca aaaatattaa 300  
agtataataa aacctcaaaa atctagagtg acttgttcac ctattgtaag tttgtcatag 360  
aagtcatgtc tagtcatgaa acttgcac 390

<210> 33271  
<211> 408  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33271

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tctgtccttc tttgcaacaa tctggaggta atgagcaacc tgaagctttt actgcaaaca 180  
tttataatag acctcctcag cagcaaaacc aacaacagca gaataattat gaactctcaa 240  
gcaatagata caatccaggt tggaggaatc acccaaattct gatatggaca agtnctccac 300  
aacaacaaca gcttgcctt cctttctaga atgctgctgg tccaagcaag ccatatgttc 360  
ctcctccaat ancatagcag cagtcacaac aaagacatca agcaacta 408

<210> 33272  
<211> 304  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33272

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tattaacacc accaccaccc ttcccttagg gaccaacacc agcaacaaca agtggtgaaa 120  
agcttccatg caagcaacaa ctacgatgca agcctttgg caatgaacct atctgccagc 180  
ttacggcaac tcaatcaact acaacatcg aatgccaccc gcggggcga cgaccgcaac 240  
cgctcctatg gttcatggg ggagacacat ccaagccaaa cgaactaacc aacttaacta 300  
acac 304

<210> 33273  
<211> 417  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33273

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gctacatagt cacttttta tctcatggct gttgcattct tttaccttag caaaagacca 120  
gccatatgaa ggttagttgtt ttcctattgc tgtcaaagca gactaacaat atggagtgct 180  
gatttctgct tgtagttgg aaggattgga aagcatctac atttccttc tatacaatgt 240  
tataaatcct agacaaagcc tgattganat tgcaatgcat tctgctgcta attggttct 300  
agatgtcata aaaatgtggt taaaagccaa aggaatcaat gtattagagc attattgaat 360  
tgtagtcat gtgtctcatg atatngaaa tgttgaact tatatgtgcc attgtgt 417

<210> 33274  
<211> 436  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33274

gcattagcaa gctagagttt ggtaactatg cgaggaaatg cactagagcc tagctgtgcg 60  
ccgctaagtg agcnntgact aaatcttaa cttatTTTC aagatTTTg catcaagttt 120  
ttctccaaag cacgttgaaa tcttcttctt ttaacttttg ctaataaaa actacaaaga 180  
tattaatttc tttattatTTT cattaaaaac accggtaag taaaaaaaaatt gcaatcattc 240  
ttagccaata ttgactatca aattaactca gatTTTgcag gtatcacaag gtatgttatg 300

tgtggcttca ttgagcataa ttacttacat cttttgtttg tttaaagagtt acaacatgct 360  
ttntttcata tatttcattt agagaggtgg tttcaagat gggctatcat gaaagaacca 420  
aagaacattt tcaaag 436

<210> 33275  
<211> 359  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33275

tatattgcgg anatcatttt ccaagcttag ggcatncatt naggatttt aatgcttatt 60  
tttaatctga acaatagttg tgtggggcc aaccactaca aaaaaaatac tttcaacatt 120  
gttattttaa catcggttt tgataaaaatc gatgttaaca aatgagcggt gacattttg 180  
taaataaact gattttgtta aaaaaaaccc aatgttaacg tgacaatatt aacatccgtt 240  
attaaaaaac cgatgttaac gtaacaatgt taacatcgag ttttgaaaaa tcaatgttaa 300  
catcgcatg ttaacatcga ttttacaaaa atcgatgttg aatttaatg ttgtgttt 359

<210> 33276  
<211> 186  
<212> DNA  
<213> Glycine max  
  
<400> 33276

cacactatat gaactaaacg tagaccagct gatgcaccct atttgataca taacataagt 60  
catactactc ttattatgtt ttgtacaact atacacatag cataatatga aataaagctt 120  
aaaccattct agtacagtca ttttgaatct catcattaat atcaaacatc tatgtgtgcc 180  
acttag 186

<210> 33277  
<211> 508  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33277

nccctagtgn aaaggggatt cccangcacn atcngannaa tangnnanca nnccnccgcan 60

gncacaccat gtttactata catacgactt ttgttgctat ctatccgcac gaaaagaagg 120  
gggggtgtta tgggttgtaa tgccaaaaaa accccaaaaaa caatgttagca aaaagtatg 180  
cttaagccaa tccaaggcaag acattttgaa tctcatcatt actatcatgc atctcaaaga 240  
aaatgaaaat catgcatcga tgtgcatacg tcaacagtgc attacaagaa aacgtgcctt 300  
ctaagccgac caaggaaaaa atgtatgtat atgtgtgaac attgttcaaa atataacaca 360  
tatataaaaa gatggcggag caatctagac agatgcacaa cacattccat aaatatattc 420  
tgaggatgtat gtgttaaggaa atataaaaaa gcatgggagg aaaagctgac gggcactaga 480  
atacgaaggt gtatgacaaa tgacacat 508

<210> 33278  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33278

catttgnntt ggtggttcgt tggcaaataa tggttgagat ggtgggtgggt gtgattgata 60  
acggcggatg taaggtaata caacttcgat ctagttttt tccgtataaa acttacaaat 120  
taataatccg taaattataat aaaactttagt gattatcaat ccgtcaatta tatataacct 180  
acggattatc aatctgttaa aagacaatcc atatgaatta tgcgaatttt cagtaatccg 240  
tatagttccat acggattctc aatccgtata aaccagtgc taatgtaaa gaagaagagg 300  
gacttacgac ggagacgatg gcgaagtcgg tgtcaacggc aaggcactc actggcagca 360  
caatgcggac tggatgtcatga aaggtgac 388

<210> 33279  
<211> 434  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33279

taacccaattc tcattgcaat cctcattata tntatgattc ttttcggtag ttnttctgg 60  
aactggtag tatacgctca caagtaagga tatacagttt gaagtaggtg tagatatgtt 120  
ttcttctact cctcttttt tatcttttt tatgtgtgcg tgcgtgagtg tgtggcatga 180

gatcctctca tatgttgtca cttatcatta tagagaacgg ctgctctaga aagatcaatt 240  
agggagaaaag tcggatggca gaaattcata aaaagaggag tgcacacact aaggaagcta 300  
cagtaccagg ttttctttt agccgaagtt tgtaattgcc ttgcaacatt gtattatgag 360  
actcgatggt ctgattcta cttcagttgt gtatgttga tcctgaaatt gcagtggaga 420  
gatggaacaa ctca 434

<210> 33280  
<211> 424  
<212> DNA  
<213> Glycine max

<400> 33280  
  
ttatTTTAC atttatgaca ggcagcacgc gctgatgcgc aggtgccttt actatccacc 60  
tcactgcatg agggtgcaag ccaagcactc gtcaggcacc agtaacaggc aaagagttga 120  
gggctatgaa acagacagga tcttagtaagc gacagtgccg cacacactgt atatattaat 180  
gatacactcg aggcgtcacg cataaacaaa gcctaggatt acatgtaagc tgtctgctca 240  
atagaacaat cattgttaggc ggaatcttat ccaactgtta tcagataacc gctatcggtc 300  
agaacgatcg agtccgtaca tgtaagaatg ctggtcgggc cgaaaaatca catgttgaac 360  
ttcttcgttag acacttcata ctatctaattg gagctcctta acataatttta gagtcgtatg 420  
acgg 424

<210> 33281  
<211> 288  
<212> DNA  
<213> Glycine max

<400> 33281  
  
gactggaatc gataccaaac atggaatcga ttacactttt taaattaattt ggaacgtgt 60  
attcatTTGA aactttcaa acatttgcta ctggaatcga tacacaattt gtatcattac 120  
agaagtaaac tcttgaaac atgtttgaaa aaatgtgcta tcatttgaa aaactttcat 180  
acttatttga ttgaccttct cttgatcttgc atctgaacctt gatctgatctt gatTTGAAAT 240  
ctgaccttga tcttgatctg aatctgaacc tgatTTGACT ctaacttc 288

<210> 33282

<211> 192  
<212> DNA  
<213> Glycine max

<400> 33282

acgttaaatct gatagtgcga acattctctc ttttgttccc tatcacccgg ctgcacaatt 60  
ctatgtgtat gacaattctg cgccgctgca tctactactg ctgttcctga tgggtcttca 120  
tcacttacat aacaaactgg tatcaagagc tcaagtcgcg atcaaaggaa ttcaagattc 180  
tcgtctgaat ac 192

<210> 33283  
<211> 420  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33283

agcttgctt atntggtctt cgccagtgaa aggtcaatg tgggtccgaa aagaggcaaa 60  
tttgatcatc ctactaggac gactgagaaa actggggcaa ataaaaaggg tgaggatgag 120  
ggagaaaaccc atgctgtgac tgccattcct atacggccaa gtttcccacc aacccaacaa 180  
tgtccttact cagccaataa caaacctcct ctttacgcac cacccagtta tccacaaagg 240  
ccatccctaa atcaaccaca aagcctgtct atcgacttc caatgacgaa catcacctt 300  
agcacaaaacc aagagcacca accaagaaaat gaatttgca acgagaaaac ctatagaatt 360  
cacccagtt ccagtgtcct atgctgactt gctccatat ctactgata attcaatggg 420

<210> 33284  
<211> 291  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33284

gagtcaacaa gttcaagatc aagtttattt tcaagttca tgagaagaaa tcaagaagat 60  
tcaagagaag atgaaattca gattcaagag aaagaaatca agaagacttc acaaggaaag 120  
tattgaaaag attttcaaa aaacaaacat agcatagttt tggtttcaa aagaattttt 180  
ctcagaattn tctaagttac tagaagttt actctctggg atcgataccca gttcctaaat 240

cgattactgt gcaagttgtt tcaagttca ctgattgcattt gttcatgatt c 291

<210> 33285  
<211> 325  
<212> DNA  
<213> Glycine max

<400> 33285

ttgcttcttg ctttcatagg gtatTTTgat ctccTTTgg tgctctaaaa tgtggaaatg 60  
tgctcaaata tgtggggcaa ttttggTTTg ttttcttgct tgattggTTT ggattgggggg 120  
gtttgtatgg gatggcccta tgcctatgat gcattttgaa gcaatggac atgccacatt 180  
gtccccgttc tcttgctagt gatacctaaa cgcgcccca ccaagtgttc ggtgaaatgc 240  
ctcaatggca tttagcgcgtg actttgtaa ggaaacaacc catggaggca tttggTTTca 300  
catattctct atatTTTggg acatg 325

<210> 33286  
<211> 293  
<212> DNA  
<213> Glycine max

<400> 33286

ccaagcttagc taccacccca ctaaaaaaag ctcattcctt gattgacttc atgataatgc 60  
aaaaaaagaag tccctactac aaagactacc caaaatgccc tcaaatacaa ggctaaaacc 120  
ctatactaca agaatggcca aaatacaatg cccaaaagaa ggaaagacctt attctaata 180  
ttacatagat aagcgggctc atacttaacc caagctcgct acctaatttc gagcattctc 240  
accattggca atttcaaaaat catgtctgag cttaaagaaaa tacccttcgc att 293

<210> 33287  
<211> 410  
<212> DNA  
<213> Glycine max

<400> 33287

tttcttaatg tctcatgatt gtcacgtctt gatgcaacaa tggtagtca tggccatacg 60  
agacattttg cctaacaaag tcaagcttgc cataactcga ctgtgcttt tcttcaatgc 120  
catatgttagc aaagactttg atcttgtcaa gtttagatgag ctggacaacg aggccactat 180

tatattgtgt cagttgaaga ttagtggc acctgcttc ttcaacctca tgggtcactt 240  
aattgttcat ctggtaagag aaatcaaatg ttatggcca attcattgc attggatgta 300  
cccggttgag cgatacatga agatcttaac agggataacc atgaatctac accattcata 360  
agcatctatt gtggaaaggt acatcgaaa agaagtcat gaattatgtt 410

<210> 33288  
<211> 406  
<212> DNA  
<213> Glycine max

<400> 33288

tagcctagat caaatcggtt tcccttctt ggtatgtttt gtttggaaata tccctatggg 60  
agagatgccg gaattcaaata tatcaacaac ttcttcatta agtgtctacc tattttgcta 120  
tttcctaaat taccctcaact tatgccttta aacctaatac tattttgac acagaacgca 180  
ctcattctcc gcttatattc atttggatca tatcagcacg cacactgtcc atttcattac 240  
atttccaagg tcaaagtgtt gagagaagaa gaaaaggaag aatggtgagt taaaaaccct 300  
atatctagtt ttcatctcca cttgatttat actctttcat tatttttta acacctaag 360  
tgactctgtt ttggctgttt gaacttacat gttcccattc cctcat 406

<210> 33289  
<211> 360  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 33289

tatcttatta tatgacataa gangcattgg ttgttagtcaa aagtattttt ctattaaaat 60  
aatcacgttt atgtgatttc aatgtataat gacgacaatg gagattaagt ttaagtccctt 120  
ttgcacatcaa tgtgaccctg atcgattctt tattgtctac ctatctaatacg agtagttttt 180  
attaaaaaga aatggctttt attgcactct tctatccttata tatgctgattt attttcagtg 240  
aataaaattac tattgtccga cctttaaaat ctaagaatgg ttatcatcat ctttcttata 300  
cacagtgcga taatgaatct catgatgtgc cttcatcattt gagtccataa ttacagctat 360

<210> 33290  
<211> 487

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33290

aacaccacgt gtnggggaag tagancgcng caacnnacgn ganannatan aatactcaag 60  
cttcaggctg ctcaattgct tagattgagc acatTTGTT tatggtctat gcggnggacc 120  
acagaggagc atgaaccaca gagtctggcg acaggtgtag attttgatt catggccagg 180  
tgggttacca ggttcaccaa ggcacTact tgaccttcaa tagtcttact ctgagctgat 240  
gaagatgaat tcttggctac ttcatgcact ccttaatga caatgcctc attattcgca 300  
ctaaatcgct gagagtctga agccatcttc tcaattcaat atttggctat tacctgcggc 360  
atgtctcccta aggCGTCTAC atagcgtgaa cgatcatact cctctacacg aactgagccc 420  
atataataata tcgtaaaaag tgctcaatat ttgcggcgg cactgcgcta tttttaaact 480  
tccagtt 487

<210> 33291  
<211> 466  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33291

gccatGCCaa gcccttatga tttnttctc acnnccatca tagattaATC tctttcttgg 60  
aacagacnnT ctgatacttt cattctnnT ttcAGAGGTC tatGAAGAAA GTTTCCCAG 120  
aaaaaaatTTT agggAAAnAGA atGNGAnAA AtATAACCAC AnNnGCTTGT AGTTGAAAGT 180  
accACTTTCC TGTtaATAAG AAATTcNNCC ATTGTGcat TCAGAAAAAT CTTGCTTCGA 240  
ACTTCGAAGA TTNNTAGTT CTGGTTGACT TGGTGTGAA TGTTCAANng CTACCGATTa 300  
AGCATTGTCA TTGTTGCCAA GAACCTGGCT CANAAATTT TGCTCTGGG ATGCANAAGG 360  
GTtNGCTTAtT GCCAAtACA AGACAAGGGA TGAAGAAGAA GTGAGCTAA TGtCTTCAA 420  
TGTAACtGT CTTGCTCT caggCTGCAA TCTATCAGAT GAAAT 466

<210> 33292  
<211> 389  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33292

aagatacaca ttataaatga ataaataaat aatatacatt actcgaaaca gaacatgtta 60  
acaaggatac acaatattcc caaattatta tcttgctgt ttgaaatcct catcctgact 120  
tgtcactgga cgtggtaat gaaagaaaaa tgtacaatac ttcaaacata ttaacaggca 180  
tacacgcaat attcacacat tatcttgca atttgaatc ctcattcagc tttgtcattg 240  
gacaaacact acggatatac ccactgatat acgaaatcat attcaatgcc tttgaaacat 300  
ctggttgtga aactgtaaca gttntgata taaggctga aatttgaatt ccagaagtag 360  
agattaaaca tatctcaatt gtttcttct 389

<210> 33293  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33293

agctngtta taatctcgga atgaagaatc tccatatgcc tgataaagag ggagggaaaac 60  
aagataattc atctaagacc tggattaata cggtgtgtct aaaagtaatc aagggttga 120  
atcagaaacc atataagcca accacaacct taaaaattgg cattgctcca atgtaaaacc 180  
tgactgcattc tgcataggcc tccgacttga tgcacttgct tagtctatcg gtaggtcat 240  
atatgaacta cttcaacaa aggtaaaaag tatgtcaatc atattccact tccacaaaag 300  
actcagaagt cataccacta agtcaagtat gggaaacataa atatttcaatc gatgcaaaagc 360  
cggaataaag aaacatgcat gattgcttta ataattaata cctgaac 407

<210> 33294  
<211> 412  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33294

agttcatct ttgatttagtt ttatataactn tgaaggcatg aataacaata atccctttg 60  
ccagggaaat caagatctga aattgagata tcacanattc cttgtaaaa tgaacgtatc 120

tattggtatac acatcattcc tttgcctatt atactagcta gcttgattcc ttccatattt 180  
tgtaaagtntt tttataatt tttgggtttg ttttggagc agtaccattt gtgctacttc 240  
atttactgac ctttatcgaa gctgccccaa gtgttccattt gaaatctgcc ttaactgttg 300  
caaagaata cgcaatggaa gtatatcacc ccggctgaa ctgaagttc aatatgtgaa 360  
tagaggctat gattatatgc atgggtgtga tccttacca gtgtcttgc at 412

<210> 33295  
<211> 423  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33295

agtttcctct acatttatgt aaaacaaaaat tcaaacagca caaactatca cagccaagaa 60  
aacaggccaa aggcagaaaa ctctgccccaa aacaccaacc aaaatcacag cttttccac 120  
ttaaagaccc cagtaacattt tccttcgttt caatttgtta accgggtggat caactcgaan 180  
atttactgg aagtctctag tacataagcc tacattttga ccgttggat ctgctagaaa 240  
acatccagaa ctcattctgc actactctt ccacaaccag caaaacatag tattttctg 300  
cacttatgca aaattctgct gcacaatntc acagcaaaaat tctgcataaaa gtgcagattt 360  
cgaaaaccac acttcccctc atccaatctt gcccaaatca aatcctacaa gtcccaaatc 420  
atg 423

<210> 33296  
<211> 321  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33296

tttgattttt ggctgttat ttttggggc tgaaacctaa accataaaaat tcttacaaaa 60  
atattaaagt agaagaaaaac ctcaaaaatc tagagtgact tggtcacgta ttgttagttt 120  
gtcatagaaa tcatgtctag tcatgaaact tgtcacataa gatttcttat gttngctga 180  
attttatttt ctgtttctt tgtctaaactc atngttcat gagtgatga aattatttt 240  
gcctattattt ttgattgagt caaatcttc atgttaatta gtgcttaaca tgttcatgca 300

aaattcttag agagtcttg a

321

<210> 33297  
<211> 512  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33297

ccaganaga ggggnaccc agngtcttg ctagtnntcc tagnannac nnnnnnannn 60  
nnggnanaga nccncgagag tctatgnata ggagnngnan gnttgattt ataaatttga 120  
ttggannga aaaggagcca gaagagggc gcgcgtgaa aacagaacaa aaagccaaa 180  
cgcgagacat aagaagagaa caatcacacg cccagcatta ttggtttaac aaacatgaaa 240  
gatgctcaga cccacatata tcaatacatg gataaaacca agattgcatg cgaaccaact 300  
taacctgtat cacaaccat tatattcatg atcagtgtt ctcgacaaat gttcaaagca 360  
atactaaggg ggccaatgtc ataactatat agaccaagat acgactatta atccgaatac 420  
tataattaat aaaatatcta aactgatggt tgtggggag agaatcacga catctcgatg 480  
aaggtaatc ttataatcac ttgtatactt gn 512

<210> 33298  
<211> 355  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33298

agcttggggatggagttct atggaggctg gatctttagt cttcaatggat gtccttaat 60  
ggtagtttc caccatggag atgcagcgaa atacaaagga gaagaggtaa gagggcgcc 120  
catccattaa agaataagca tggaagaagg agcttcacca ccaagatgaa ccttggataa 180  
gaagcttggaa gaggatgctt caatggagga aaagaaagag agagataaag agagaggggg 240  
gagcacgaaa ttgaaggaag aaaaagggag agaagttaa ctctgagttg tgtctcacaa 300  
gactctcatt catcanagtt aaaaaaagtgtt acacatgc ttcttattt acact 355

<210> 33299  
<211> 364  
<212> DNA

<213> Glycine max

<400> 33299

tatcagatat cttggggaa gtcctttt tggctattcc ctagtggatg ggcctctct 60  
caccttttc tttgtttcc gtcgcatttc catggaaaa ccaccattaa ggcatttga 120  
agctaaagat ccacccat agaagccccca cagcagcttc atcactaccc ttatggatac 180  
cacctattac acgccaccac ctgcattgtg acacgggtca tgtcccttcc ccgttttga 240  
gggacctttt gatgcggaca gtcattggac atagaagatg cccagagact catttttaccc 300  
cgccccatca gggcacccca acatatgcta cccaaactcca ctaccatatac ttgcataaaag 360  
accc 364

<210> 33300

<211> 381

<212> DNA

<213> Glycine max

<400> 33300

agcttatct ttacatttct ctaaccatcc caatccattc gaatcataca attgctactt 60  
caaatcattc tcaaacactc atttcataca gagcaataca ctgcataatca ttttcaatca 120  
attcactgtt caaacacgccc ttttgtaaca ccctgatata tataactata tattaataat 180  
tatgtttgat gtttgattgt atttggtagat ttatattcc gtaattttt caaggaagct 240  
aatttttta atataaaggc gtggtagat aaagatctat ctttcacaa aagcctctg 300  
agacagcttc tgaaagatgc cacggcgaaa cttgttgggg aaacctctta atgaagctta 360  
ttgatgaagc tacatgaagc t 381

<210> 33301

<211> 246

<212> DNA

<213> Glycine max

<400> 33301

tataacactg cagaataacc atataatgga agagtttagac ccaatttata caaggtatat 60  
actcaaaagt tagtcgtatt taccgactaa cagttatgttt aatagaagat gaatgttgt 120  
tactcaatga gtgggacaca ataagcttga atacaatgaa actcgctgac ttagcaaagc 180

taagattcat tcaatttgct caagttcct tcgtcttagt gactgacagc ggtgcaacac 240  
ttattc 246

<210> 33302  
<211> 453  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33302

ngcctgtaca aatgccgcga tgacnnccnt tnagcaagna cggcgagcg ataagtcgag 60  
ctgacgcattg cagccacacc tttgtttnta atattaaccc ctaacgcggg agggcatcaa 120  
atcacacaggc cagaccaccc gatctgacat ggagtacaca aaggccccga gtaatgaacc 180  
gaccacagag cacacagcaa tactctgccca gaacctaccc agcgagacgc ctggcagaga 240  
gtggacattc ctagcaatac atgcaccaga attggaacag cgccatagtg ctagacatcc 300  
actgactata caaagccgcc cacgtgacac ttgaaattcg catacaggtg caagcaaaac 360  
cccaggcacg aaacacccac gttgatcaga atacaacacc gcaagaggtg cgatgctgcg 420  
tgtgcgagac ccacccagag cgggaggacg agg 453

<210> 33303  
<211> 336  
<212> DNA  
<213> Glycine max

<400> 33303

agctttttt tagtcatgtt tgaaaaccat gcaggggtta tgtttgaatt tagtttcagc 60  
taagacctca ttagctatca ttacaccatg gaggatatgt ctgccttga gaaaagcaat 120  
ttgccttca tcaattaaggc gaggcagcac aagagccago ctattagcca ggactttgga 180  
cattattttg tagacacacc ctagtgatgaga gatgggtcta taatcattaa gagattgggg 240  
gctattggtt ctggggatga gggctatgaa cgatgcatta cttccttgg ggaatctgcc 300  
attaatgaag aattcatcaa agaatatgtat aaaagc 336

<210> 33304  
<211> 236  
<212> DNA  
<213> Glycine max

<400> 33304

tcataaagcc cccactgctc atctttttt tgtcttgta tacagataac aaggctgtct 60  
gcatccacag aaagttcttc tgcccaatc cttctcgta tcttataagt tgaattgata 120  
tcctctattg attggcgtcc ctgcttgaca aagtgttcaa gcttgggttct tccaagtgaa 180  
tgacctgtaa gcaccattgg tacatTTaaa gcacctggaa gaataacagc agtatac 236

<210> 33305

<211> 412  
<212> DNA  
<213> Glycine max

<400> 33305

tttgcaatct tatgttgcaa atatttacaa tagacccctt caacccatc agcaaaatca 60  
accatagcag aacaattatg acctctccag caacagatat aaccctggat ggaggaatca 120  
ccctaaccctc agatggtcca gcccctcagca agagaccaga gcctccattc agagcttaac 180  
caatcagatg ggacaattgg ctacccaatt gaatcaacaa cagtccaaa attctgacaa 240  
gctgccttct caagctgtcc aaaatcccaa aaatgtcagt gccatttcat tgaggtcggg 300  
aaagcaatgt caaggacctc aacccttagc accttcctca tctacaaatg aacctgccaa 360  
acttcactctt attccagaag aaggtgatga caaaaattta cctaacaatt tc 412

<210> 33306

<211> 328  
<212> DNA  
<213> Glycine max

<400> 33306

gcttatcctt atggcaactc ccgccttatg acgactatct ctctggtctg acgatgagga 60  
aggagataacc catctctgtc ccctgctcca cctcatagat ctgtccccac atgaactacc 120  
ccaaaccgaac atagtccgcc atatccgac ctcacccaca cccgtaaaag aatctgttcc 180  
cttcgcggaa gataaggaa agattgaggc gctcgaagag aggttaagag cagtcgaggg 240  
ccttggcaat tacccattct cgtatTTAGC ggatttatgt ctcgtgccca atatcgtcat 300  
tcctcccaag ttcaaagtac cagacatt 328

<210> 33307  
<211> 406  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33307

ttctnttattc tatcgtttaa gccgttatct cgccataataa atgataaaat gaatttcaat 60  
cgatcatttgcgttgtaatc tcgtttaatc actgttaaaa caaaatctaa ccgatcattt 120  
acattgttaac ctcggtaaaa ccaaaaaaag caaaataata ataaaataat caaaatatct 180  
ttgaataaaa taatcaaaaa aaatcaatct gacgttttc tttggagggtt tccttgaatg 240  
aattgactaa taaccaaagt gaaactaaga ctaaaatcaa ctcacaaatc aagctttgtc 300  
cataaaaaatc acttataacc cgtttaagg tccaacgcct tatacggtcc tcttgctt 360  
tatcggttaa catggacagt tcataagcat aaaatcagca tgtaac 406

<210> 33308  
<211> 365  
<212> DNA  
<213> Glycine max

<400> 33308

tttcttcaat ctgagagctc gggatatgtt gatcattgtt aaaccctct ccatacttca 60  
caaggatgc atgtgcttgg gaaggttagaa aatggaagtt ttgcatttggaa ggaaaggata 120  
gatttggtgg tctaccagcg ataagaaact gcttgtgtc ttcttcactg gaagtttgc 180  
ctccattacg gtccgttataa gaagattcag tcttagatat ttgaactggt ggatgaatag 240  
tgtatccagg ataactgcga gtttgaaca agccttgtca atagacactt tataactaa 300  
ttcagaatat cattatttaa caaacttgat atgagagtag atacaaaatt ggtacttgcc 360  
aaatc 365

<210> 33309  
<211> 438  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33309

tagaaaacta agcttggcag atctatgccaa gaatgcaagg ggacatataat ttctcttact 60

ttgacatgna tnntaagcta gatgacggcg attgtgaaac accaaatatt attacatatg 120  
ggccttggt ggatggttt a tgc a a a c g a a c a g g g t g a a g a a a c c c a t g a a t t a t t g g 180  
ataccatgtc agttaatggt t g t g a g c c c a a c c a a a t a g t g t a g t c a t g c t c t a a t a g a t g 240  
g g t n t g c a a g a c t g g a a a g c t t g a t a t g c a c a a g a g g t g t t g a a g a t g t c a t a g c 300  
g t g g a t a c t g t c c a a t n t g t a t a c t a c a g c t c t a a t a g t c t a t a a a g a a c 360  
a a a a t t g g a t c t g t t g a a a g t g t t g c c a a g a t g c t c g a g a t t c t g c a c t c a a t g t g 420  
g t a t t a c a c a a c a t g a t t 438

<210> 33310  
<211> 448  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33310  
  
a g c c t t g g g t g t t c t c t t t c a n g c c t a t c a t t c t c a c a t a c t g g a t n t 60  
t a a g t c t t a t a g t g t c t t t t c t c a g g a t a c t a c a a c c a t a a g g c t a t a a g t g c c t 120  
g t c t c t a c t g g c a a a a t a t a c t c c a a g g t g t t c a a t g a a a a c c a g g t t c c 180  
a t a t a c t g a t c t g n n t c t a a a t c c a t a t c c t c t a c c c a a c a t c c t t g c c t c t 240  
t t t a g c a n a c a t t c c t t g t g t c t c c a c t g t c a c t c c t t a c c a a c a t g t a c c 300  
c a a c t c c c c t t c c c t c t c t c a n a c t t c c a a c a c t c a t g t t g a t t c t g g t t c t g a 360  
c a t t c a g t c a g t c c a c t t c t c t a t t c c t a a a t t c c a a a c a c t c c t g t c t g a t t 420  
g t c t t a c a c t c a g t c a g t t c a c t t a c t 448

<210> 33311  
<211> 379  
<212> DNA  
<213> Glycine max  
  
<400> 33311

a c g c a g a c a a g t c t c t t a g a t g c c t t a t g t c c c a t a a t c t a t t t g c t t c a a c a a c a 60  
a t g c c t t g a g t a g t t c a a g t t t c a c t t a c c g c c a g c a a g t g a a t t t t a a t t c g a t c a a 120  
t g t g t t c a t c t a a g c a g c c t a a t t a c t g t a c a a c a t t t t g a c a t g g g t a 180

tgaccatata taaatattga aaccaaagat tccttggagt aatgtgatgc caagaagaaa 240  
tccaaaggattc ctataagtat aacccatggg ttgaaaagaa gcaagtgatg cttactattha 300  
acttcgtctt ccagttcatg aggtccaagg ccattcacat tccctgctca taaggcgcat 360  
cgattatcat catatcata 379

<210> 33312  
<211> 276  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33312

tgcctcanag aggtccagga aggataaagc ggccgaagga accagttccg ctcccgagta 60  
tgacagccac cgcttagga gcgctgaaca ccagcagcgc ttcgaggcca tcaaggggtg 120  
gtcatttctc cgggagcgcac gcgtccagct caaggacgat gagtatgccg atttccagga 180  
ggagatagtt cggccggcggt gggcatcact gtttacccc atggccaagt tcgaccata 240  
catagtcctc gtntttatg ccaatgctt gcctat 276

<210> 33313  
<211> 426  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33313

agctntgtgg actagtgata ttaatatatn ttttagaaga gagacaaagc taggaaggaa 60  
acaacccaag agagtgaaca taggtgcctg aaggaaaagt tgatggttt aactttgaac 120  
taactaataa ctaaatagtg gatatgatat gtgataatga gagagacagt gaaaaaatg 180  
aaccatatcc atatctctga tgctgtgtt gatggagcaa aggacatgac tgacatatgc 240  
tggtcatggc ctcacgggtc aggctagcat gcattacatc atgcacgtgc gtgttttagc 300  
attctaccat taacggccaa cggacgttcg caacgacgtc gttctgcaa gagaaggtat 360  
ttaactactt attgtacgta ggtaaaaata tctcaactct taatgccaga gtaaacccta 420  
ttagtc 426

<210> 33314

<211> 233  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33314

ctaataagta ggaatgttaag cttcatggag aatgagaagt ggagatggaa cgatgcanaa 60  
aatcagtaaa tggattattt gaatcaagaa gagtttagttg atcatcctcc tggtcgcgac 120  
actagattac ttgccgacat atattagagg tgcagtgttg ttgtgcttga accaacagga 180  
tatcatgaag cagaaaaaga tcctaaatgg agggttacta tgcagaaaga gct 233

<210> 33315  
<211> 360  
<212> DNA  
<213> Glycine max

<400> 33315

agcttgcctc tatatgtcca ggattacaag gcagccgaag gaactagttc cgctccggag 60  
tatgacactc accgctttat gagcgctgta caccagcagc gcttcgaggc catcaaggga 120  
tggtcgttcc tccgggagcg acgcgttcag ctcatggacg acgagtatac tgatcttcag 180  
gatgaaatat ggcgcggcg gtgggcatca ctggttactc ccatggccaa gtttgatcc 240  
agatatagtc cttagtttt atgccaatgc ttggccaaca gaggagggcg tgcgtgacat 300  
gagatcctgg gtaatgtgtt agtggatccc gtttgatgcc gacgctatcg gccatctcct 360

<210> 33316  
<211> 459  
<212> DNA  
<213> Glycine max

<400> 33316

tctagccaca tggacttacc ttgaattaat tccttgcata gccctttga gccttgcgttcc 60  
ccttccttg gtttgaagct cactacaagc cttaagtcaa aaaccatgat attaccatat 120  
ccttaaggaa tttggagct ttggattgt ctggaaata agtgtggggg gttttgttt 180  
cattggacaa ctcgttctgt tggctatgct tcattatgtt tttggccaa tacttgatgt 240  
acattgtata ttggtaaat gtggacatgc tgaatgacat gctgtttctc aaatgctaaa 300  
ggtaaaaaaaaaaaaattct gaaaagaaaa agaatacgaa taatgttgag tgaataatat 360

cttaaaggga caagattgat gaaactcttg ttctactctt catgttaat tttatcttac 420  
ctctttaat ttcttagttt ttcttaaatg actattccc 459

<210> 33317  
<211> 443  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33317

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tgcacccctgc tttgatgaat gcagaaaactg tggcaaatga aaacggcgcac aatgatggag 120  
aaaccacgc tgtgactgac actcctatac agtcaagatg cacgccaacc aaacaacgtc 180  
cttacagacc caataacaac ccctcttctt accctgtgag tggatgtata cacgaccgtg 240  
atgaagccaa aagaagattt aaacgaggct catttaacat caatactaac acaatcatga 300  
gtcaaaaaca caaagccttg agcacgagga atggaaaaca acccatgcgt tcaatgagaa 360  
agatcaagta attcagggga tatgcatcaa taccactaca aagctcaact acgctggta 420  
tatatgataa ctcgtaacca ccn 443

<210> 33318  
<211> 377  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33318

cgactaatac acttgtaaaa acatagaag ttagtntatt tatatgtata taccatcaat 60  
tgatatatgg gtatatgtta ctcatcaaca acaacaacaa caacaacaac gccttatccc 120  
actatgtggg gtcggttaca tggatcaact tccgccataa tggtctatca agtaccatac 180  
ttctatccaa accattaatt tcgagatcct ttctgataac ccctcttata ttactttgg 240  
gtctatctct gcotcgaata gtctgacttc tatccatctg ggctactctc ctcactacag 300  
attctaccgg tcttctctct acatgcccta accacctaag tctaattcc accatcttct 360  
ctacaatagg cgctact 377

<210> 33319  
<211> 381  
<212> DNA  
<213> Glycine max

<400> 33319

ttagtcttaa acctttctcg gatggatctc acgcaacgat ctatcgattc gttgattcaa 60  
agtcaatctc ataccatagg tggtccgaaa tcaaattcgat gcactccatg ttgcgtctaac 120  
ggcggttcgg ttacttcgat tgccgacagtt tctgcagttc gagacatttc tttggggttt 180  
ccgcattttg atggcgatac accactctt gagtggatct tcaaagaaga gaagttcttc 240  
aattatcata tcactccaga tctcgatcga agtgataatt gctctattca ttttcaaaag 300  
atgtgattcc ctgggttaac atgttgcagc ggatgcaagt tggagcacct gtgctgagtt 360  
acacgtgctc tggaaacaca t 381

<210> 33320  
<211> 251  
<212> DNA  
<213> Glycine max

<400> 33320

cgcctcatag aggtccagga aggataaaagc ggccgaatga accatttccg ctcccgagta 60  
tgacagccac cgctttatga ggcgtgaaca ccagcagcgc ttgcaggcca tcaatgggtg 120  
gtcattgttc cgggagcgcac gcgtccatct cattgacgat gagtatgcct gattccaaga 180  
ggagatagtt cgccggcggt gggcattact ggttaccacc atggccaagt tcgaccata 240  
cataatcctc g 251

<210> 33321  
<211> 365  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33321

tagctntaat atatctatgg taaggcgtgt tgtnntgttac atttcatcag cagcaatgta 60  
ctttgtgtct tgacacaatc cacacacaca ccagcatttt ccaacatcca aaaacaaagt 120  
cctaggataa gttaagaact ccaatctctc gcactatctt gtttcacat tattattatt 180

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actacttggtt tgggtgtgtc tggtctacat tggtgctgc taccctaccc atgatcttgg 240  
aactgtgacg agatgccaca ttgattaaca acaacaacaa taaccacgtt agatctcaag 300  
ttggagtctt tgtctggaga cacccattat ggggggtgtg agtctgaagg aatcatggtg 360  
tttct  
365

<210> 33322  
<211> 533  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33322

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agatggagtg aggcggtcga atgaaccaat tacgctcctt agtatgacag ccaacgctt 120  
aagagcgctg aacaccagca gcacttccac gccatcaagg tgtggtcatt tctccaggat 180  
ctacgcgtac agctcaatga cgagtagtat gccgattac aataggagat aggacggcgg 240  
ctgcgggcat cacttggtaac ccgcattgtc atgtacgacc caacatatct cttaggattt 300  
attcccatgc ttggtctatg gaggagggcg tgcgagacat gatatactgc gtgaggggtc 360  
catggaatcg cgtctatgaa gatgctatct caccgataat aggacattct ttattgctgg 420  
aacacggcccg cgagtgctaa tcttgcgtcat aagaagaaca ccgtcctgat tgtctttact 480  
aagaagccat cctccacttg tagtgcatac ctgagacaga ttcttccacc acn 533

<210> 33323  
<211> 402  
<212> DNA  
<213> Glycine max  
  
<400> 33323

tagcttgatg cactattggg aggagggctt ttggttattt acttcatttc tctattcctg 60  
aggctgattc aaacacttgg ttctctccaa ttccagcata tggtgctagg cttattctc 120  
agcagatgat aatgaattgt gaatttctca tcattttgtt atagcttataa gccactgaca 180  
tcactttctg tgcattgact atatttgca accatgatag gtggcctaa attagatagc 240  
gttagaactt ccactgctat gtgtacttag ctcttcttgg ctaatgcaca tttttataca 300  
ttaagatcac ataattacat ccatacatgt atatagagaa gatgatctag ttactgtcta 360

aagtctcatt actcttgcta agattattct ctttttaca at 402

<210> 33324  
<211> 434  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33324

tcttaaggatt gcagcatcat tggcacattt acttatacgat acaaataatta tnacccaaaa 60  
aaaagttgca ttctttgac aggacaaagt ctacccaaaa gattattaag atactaaaag 120  
gaagtacgtg aatcggtgt aacatgttt cattataaga gagtatacat tactcacagt 180  
gtgtcttgtt acttctgata gttaactgat agactaacta ctgttagttg tagtagtct 240  
gttatcacgt ggtatgtatag ttagtgctt ccagctatgt aatagttgtc aactaactta 300  
ggttacatta gttggtagtt aatccaaata tataaacaat cttgaattct gattacagtg 360  
gggttgaata atatcagata tctcaatctc aatgtcttct cttctctcaa aatctcttca 420  
actctattat tcatt 434

<210> 33325  
<211> 196  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33325

tatctctnta gctattcata tggtcataac gattcactcg gatgtctgat tcaagcgcatt 60  
aatatatcga gacgctcgat attgaacaat ggaagcttctt gagcaaatcc aatggtcata 120  
acttttaact cgaggatcg attcatgcgc ataataatatc gagacgttcg aaattgacaa 180  
tggaaactctt gaacaa 196

<210> 33326  
<211> 355  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33326

tctgttatga atttcgagtg tctcgatata ctacgggaca caatctgaca tccgagtaaa 60  
aagttattga catttgaatn tgctcatagc attcggttgc aattacgagc gtctagatat 120  
ataaaaggat tcattcggac atccgagtaa aaagttatta tcttttatt ttgctcagag 180  
cttctggttt caatttcgag catctcgata tattacagga ctcaatcgga tatccgagtc 240  
aaaagttatt gtcgtttgga attgctacga gcttccgggt tcaattacga gcgtctcaat 300  
atgctacggg acacaatccg acatccgagt aaaaagtatt gtcgtgtgaa ttact 355

<210> 33327  
<211> 215  
<212> DNA  
<213> Glycine max  
  
<400> 33327

tgcattctac tacggatttt cacttaccgt tggatgaca aaagcgccat cggaatcaa 60  
aaacgaaaa atgatgaccc tatggctgca gactcgtcaa tcccgtgggt atggatattg 120  
aaaggaggga taagaatttt ttgaatgcaa acacgtacac ctttcgtga tacttataat 180  
ttggtgcatg ggtggctcga ccagacgagc taacc 215

<210> 33328  
<211> 381  
<212> DNA  
<213> Glycine max  
  
<400> 33328

ctataaatac tcaagctggt tcaggtactt acccgatgaa gatcgaagaa ctattataga 60  
tctattgata aacgtcgaat aacggggaa atcttgcga aattcctcac ggataacgtt 120  
accgaaacgt ttccgaagcg cctcggtta gatttcttc acggaaacaa ttttcctag 180  
caaattctaa agagagagaa gtgcctatgg ggctgaaccc cttccttctt gcattcctcc 240  
actatttata gcataaatatg ggaggagggtt gtccgccagc tcgcccattgc tagcagggtt 300  
gcttcctcca taagcacccg cttttgagg aattatttgg atggcccaag tgggcctggg 360  
tgctatttgc actccacttt t 381

<210> 33329  
<211> 374  
<212> DNA

<213> Glycine max  
<400> 33329

tgcatcttt tatacctcgta tcggtcgtct ttactggccg acgcccactg tcatttattt 60  
cgatcaatat cggtgaataa tatttctttt gccgaagagg gctaatgttt tcctggccga 120  
ataaaatcgaa acatgccaat ttccggcgaa acgaaacatc ggatgagctc gcacggataa 180  
acctagccga cctacattgt gagttttta tgctacaccg aagcaagaaa acttcccctg 240  
ccgtaagata aaacattata gtgcagcgag cgttttttt aaggaaaaat cgctcaatgt 300  
ccgctgagaa atatcagctg gggccatttc acagcctatg tccgctattt agttttctat 360  
tcaatccctg aatg 374

<210> 33330  
<211> 156  
<212> DNA  
<213> Glycine max  
<400> 33330

ggagtatgac agtcaccgct gtaggagcgc tgtacaccat cagcgcttcg aggccatcat 60  
cgatggtcg tttctccggg agcgacgcgt ccagctcacg gacgacgagt atactgatct 120  
acaggagggaa atagggcgcc ggcagagggc accact 156

<210> 33331  
<211> 399  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33331

agcttgtctt tgggttagat ctgatttata catganttan gacttgtatg atccaatcta 60  
cgcaaaattt gatgacggta agagggattt cggaaatctgc ccaacttatg cagcaaagag 120  
ctgtctaaat ttgtgcagca gataattgtg cttgtgcaga aaatgttg tattctttat 180  
tatggacatt ttctaggcga tcccaacggt caaaatgtat acctatgtac tagggacctc 240  
cagtaaaagt ttccggcga tccaaacggtt aacgaagcgg aacaaagaaa atgttactgt 300  
gtatggagt agagaaagtc gtggattgg aatgtgtttt ggcagagctc tttgcctctg 360  
ccctgttttc ttgattctgg atagttcatg atggttgga 399

<210> 33332  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33332

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atttcccttt atgcataaca aatttcatttc attcaattct cttcatcttt ctaaaagttt 120  
ttgttcaata ctttctcttt caagaaaagt tccttgacca aaaacttgtg ctattcttt 180  
tctttattcc ttctctcttg tcaaaagatt gaaaggacta accgcctgag aattctttt 240  
tttcttcctt tctccctctt aacaaaagat ttcaaattgac taaccacttg aaatatctt 300  
tgtttcttac aaaagatttc aaaggaataa ccatctgaga atatctttt cctttccct 360  
taaacaaaag atttcaaagg actaaccgct tgagatatct nttgttccc catacaaaga 420  
ttcaaggac taaccgccta agaattctt 450

<210> 33333  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33333

agctntgtcc atattaatta cctaaaatac catttaaggt ccaatgcctt aanatggcct 60  
tttgctttt attggtaaa cgtggacttt tgaaagccta aagccaacac ataactntgt 120  
cactacttcc aagaaaacaa gagatcatta atagtcggat gccttaatgt tntctctcct 180  
ttcaaaaagga tcaaaagatc gtttaaaggg tccaacgccc taaaacgacc ctntttgtt 240  
ttggtcacta tatcttacaa aaaaggataa aaacaactta accaacgttt agttctcaaa 300  
gaactacgta ggtctgtat cgaggtcgta cccgaatcan ataaacatta aatgttagta 360  
actatggaag tgatcctagg tcgtttccc acgagaaatg gataaccaaa tgttcataac 420  
agatagtagg aagtagtaac aaaatggggg ggggggg 457

<210> 33334  
<211> 270

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33334

cgcctcanag aggtccagga aggacaaggc agccgaagga actagttccg ctctcgagt 60  
atgacagtca ccgcatttagg agcgctgtac accagcagcg ctgcaggcc atcaaggat 120  
ggtcgtttct ccgggagcga cgcgtccagc tcagggacga cgagtatact gatttccagg 180  
aggaaatagg gcgcggcgg tggcaccac tggttactcc catggccaag tttgatccat 240  
aaatagtcct tgagtttat gccaatgctt 270

<210> 33335  
<211> 430  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33335

agttatagg agtgtgttt tgacattgtt tcagagtgg catagaggca ctgaaaagtt 60  
taaatcatag actttatgtt gcgaaagaga taaagacaag aaagggaaat aatattaaga 120  
agaataagat tattaacaga gcagaagaga gtcaccatca acgcatacat gagaacagat 180  
tctagcttgg atactgagga gagatactac agataataga gaagagactg tacaaccaa 240  
tatgatgagc taaatacaag agaaaggtaa ctctcctcaa gcaggattt tcttactaat 300  
agttngtca attgtcaata ccacgagtag aagcccta aacatctta tgcttatgaa 360  
atggttccat tgtggattgg atataacaaca agaagttgaa caaaacacaa ctgcgttgaa 420  
tagcatgaaa 430

<210> 33336  
<211> 273  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33336

ctcagctcga gactgtctta tgatataatg tgtttatata tatatatata tattcatata 60  
attatctctt agttntaaga gaaatactta aaacattttt tttcaattat tcttaaacgc 120

atcttataaaa tctatggagt tgtctttacg cagatcctgg atatcctgct aactatgaca 180  
atcctgagat gggatatgga ggaactacat gtcctcctga ttcttatagc atgcattcagg 240  
tatgtgacac tctcttacaa gttttatatg tat 273

<210> 33337  
<211> 415  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33337

agcttatcaa aatttgagaa tggacttcan aagtctttca aaagattaca aactacttca 60  
aggaaaacat gaaggaaaaa tagataattc ttttagaaatt tccattcaat catgtatga 120  
ctttgaaagt ctaaaattaa agacaacaaa gctttgtctt gaaaatgagg atatttgtaa 180  
ataaaagat atgatattgg aagaccttca gaagttgaaa aatcaactgg aaggcttaca 240  
aaatgagtt atcacactca ataaacttca tgattgccta natgaggaaa gatgtatct 300  
attgaaagca tggcccag tccataagaa ttatgaaaac ttggaggcaa gtaaacat 360  
gatgtagctc ccagtagagc ttgttaggcct cgatcttnt catcaatgga gtatt 415

<210> 33338  
<211> 459  
<212> DNA  
<213> Glycine max

<400> 33338

gaaacctgaa ccatcattag caacatgaaa cctgctgagg taactagagc cctgttaacc 60  
cggttaaccca accggccatg aataataatc tgccctggc gcagactctg tggttatgc 120  
ttctttgcg acaacacaca aaactttgc ctctatgca acaatttga acaattgaac 180  
agcctgagct tatgctgcaa acatcaacaa cagaacctct caacccctc agcaaatca 240  
gccacaacaa aataattatg accttcaa gcacaggtac aatcccgggt ggaggaatca 300  
cccaacgtatgc atggcgatct tcaaacgcac acacacaact tatttcaaattt gttgtaccta 360  
agcgaccata cttctcacca tcgacaacag ccaaaacaca acagtgagct ctcacaactt 420  
cctgagaact ggagcaatga atgcaacatg cgtttacaa 459

<210> 33339  
<211> 431  
<212> DNA  
<213> Glycine max

<400> 33339

agtttcgtca gttatcatgaa ttccatttta cattctaata ttctcatca atatcaataa 60  
aaataccgtt gtgcctaagg aacaataata tggtaaatct aaatttgtta tagaggaaaa 120  
tttagacaagt aaagaatagt caaactgaa taaaatcta agagtggtaa atgagttgtc 180  
aaggtaacct taattgtgta ctaatttcag tgaacacaga ttaacactct ttagtataag 240  
ttgtcaaggt aaccttaatt gtgtaaagta gcgaaatgaa attgtattac aagaataata 300  
ttttaagatc aaggactaga agtgataaca taatgatcaa ctattcatga tgggattaga 360  
tataaacaaa taactactca tgatgaaact tagaactcta tttttatcca attagcttga 420  
tttttatata t 431

<210> 33340  
<211> 349  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33340

tcttactaca gaaatgtaat cgttatctt cttcatatac aaatatctta ggtgcacgtt 60  
aaactctacg ttcaatcaaa aggaaatnga agtataatcg gcagtagcta attatatacc 120  
tactaactca gcaaacattt cttttcttt ttgttttac cttccaaaaa ttggtttgg 180  
tgatttggttt ttgatgtcaa ttcttataac tctcacttgc aggatgagaa acctgaagat 240  
ccagtgaccg gccaatagga atcaacacaa atattaatgt gtgaatttca catccagcaa 300  
gttactagaa tcctgaagag cgcctgctgt acgtatataa tacgtatgc 349

<210> 33341  
<211> 412  
<212> DNA  
<213> Glycine max

<400> 33341

agtttcgaa ttcatatcg cgcgtctcaa tagattacgg gactcaatca gacatccaaat 60

caaaaacatta ttgtcgtttgc aatttagctca gagcttcaga attcaatttc gatggtctcg 120  
atatattacg ggtctcaatc agacatctga gtaaaaaaagt tattatcggt tgaatttgct 180  
gagagcttca acattcaatt tcgagcgtct cgatgttata cgggacttaa tcagacatcc 240  
gagtaaaaag ttatcgctgt ttgaatttgg tcagagcttc aacattcagt tttagagcgtc 300  
tcgatataatt acgggactca atcagacatc cgagtaataa gttattgtcg tttagaaatcc 360  
tcagagcttc ggattcaatt tcgagcgtct tgatataattt cgggactcaa tc 412

<210> 33342  
<211> 357  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33342

tagcattnt tggtcggtat tggcctaaaa agttgcaatg tagttcggt atgtttcttc 60  
gtgtgagctc aaccgaagtt gtatttcggc cgacaccggc attttgcgg ccaggataac 120  
attagcccac ctccggcaaaa aaacatgatt caccgatatt gacagaaaaa aatgctagcc 180  
ttagtcggcc aggaaagatg accgatcgag gtctaaaaaa gaagcatgac cggattacgc 240  
cgatcgaaca ttccctatta gatatgatgt gaacctgagt aggagcggat canttgatac 300  
agttacgga gttntggat gaacgccact tcagtgaagg aagataagtc atggtag 357

<210> 33343  
<211> 594  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33343

acacccacgg cacgtaatcc acgcaacgca cgaagacggc acaaaacaca canaaacagn 60  
aaggtaaatt gagacctacg tagacacgct agacaatccc agaccgggg atactctata 120  
gagacccgct gcatgcancg cangccatct acantacaga cataccagca aaaggacaac 180  
ggcacagacg gagcatatat caacacccaaa caaaccacca gcaggataaa cgcccaaccc 240  
caccacaagt atgggcacaa cggaaagagac aagcatgcgg caaaaatcac cctacgccc 300  
acctagaaac ggatgctaac tacgtgcag caagaaagac acgagagaca cgccgcaggc 360

accagccgaa caaatgtcgg gacaaacact cacgaactaa ggaagacaca acccaaccac 420  
ccacatgaac tctaaatact gaccaaggag agaatcaaca tgaactcgcc acataaagaa 480  
aattcgcact gagcgccagc gaacagagac caagcctgct caataagaat atgaaccaa 540  
acacacggca gtacagacat tgacgagcac acacacacaa cggcggagag gacg 594

<210> 33344  
<211> 430  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33344

tagtttctca catatagttt caacccgagg tcctctaaga gacttagtgt aaatattagc 60  
caatttgatca tttagAACAA caaagtgagt ctgatttca ccagacaaca ccttntctct 120  
tacaaagtga cagtctatct ctatgtttt agtccgctca ttgaagactg aattagaagc 180  
aacgtcaaga gcggcttggg tatcacanat aagcttagtg acttaagtgt ctccaaactg 240  
taattttaggg agaagttgcc taagccatgt aatTTGAAT gcagcaactt ccatggcatg 300  
gcatttagct tcgatgctgg gtctagcaac tatatttgc ttcttacttc tgcataagaa 360  
caaatttccc ttcaagagtc agaggttagac ctccatatctg atggtgatcc tacccaatca 420  
gcatcagagt 430

<210> 33345  
<211> 285  
<212> DNA  
<213> Glycine max

<400> 33345

tggaccgaat gggaaatattt attgattcat agctcatcta ttggctatac tcagatctt 60  
ggcctggatt atggcgacac ctattccctg tagccaagat cacttctgtt ctactatttc 120  
atgctatggc tattcattacc attggccgt tcaccagttt gatataat atgtgttatt 180  
gcatggtgag atgctactgt gcatcaaatg attgattgca cacattgcca ttctaccaat 240  
cacgcacatt gagaacaaga atatggatat caactgttgg acaat 285

<210> 33346  
<211> 423

<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33346

tcttcttcgt ccgcttatcc ctcatgtaa actacaccccg atttagacaa ccccattagg 60  
tttagactaa ctatactga gttcgtccg cgatccctc atgtaaagact agacttagtt 120  
caagcaactt acgaaagttt agcctaata agcctaagct tcatccatag atccctcatg 180  
taagactatg cttaaaccaa acaacatcat tgtaaaacca taattaaaac caaaaacttaa 240  
ccccacagatc cctcatgtaa ggctaagttt caatgttgct tcaatcacgt tctaaggcaa 300  
cagtagattt tccaatgtta aagtccatca actgtgcaca caaatgggtg atcagaccan 360  
gagcatacaa acattaagca ttgaatgaag cattgaacac aaaatacata atcaactaga 420  
tat 423

<210> 33347  
<211> 413  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33347

cgaaacaaga tggtgagagt gtntgacaga aatcacattc tcatttgaa gtccccttt 60  
ttcaaaaata gaacattaa aattgagatt gatgtgatag aacagaagtg ttttaccact 120  
acagtaaaca gtgaagagtg gttatggcat tacagatntg gccattana ttttagagat 180  
ctgattaagc taaactcaag agaaatggtg ctgggnntgc ctcagatcaa gcctnctagt 240  
gaagtatgtg atggttattt acagagtaag caatcaagag gcactttcaa aaaaaatgta 300  
ccaatcaggg caaaagagaa acttganggt gattactctg atgggtgtgg ccctatgcan 360  
actgaatctc tgggtggaaa tagatacttt catatcctta ttgatgaatt gac 413

<210> 33348  
<211> 405  
<212> DNA  
<213> Glycine max  
  
<400> 33348

gtgtatcgag taacaatgac gaaacgactg tgggtactgt ataatgcatt ggatgacact 60

cattatacaa tagggtatca aagataattg ggaccaggaa atataatacg ttatTTtaac 120  
aagtaacagt aactacttag attcttattct ttatgaacca aagtcaactgt taticcttagtg 180  
ctgtaaatat cagaaggatg caccacaact gcactgaagt cacttggaaag acattcgagt 240  
tcattggct aattactttc tagagaaaga tagaaataaa acttaagctc tatttggcac 300  
tttacaaatg gatataccccc agaatagaca ccatgagttg ttcaatttat cgggagaatg 360  
tgcaaaaaat aaatacataa tgtgaaaaaa cgaaatgaaa tatcg 405

<210> 33349  
<211> 590  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33349

cgcgtactta cacattanaa tcacatacag cacgaactga tcacacgtac caagtgttga 60  
atatanacaa aaaaagagag nnaaaatttg aaatttgaga gccctgcnta tancngacac 120  
tatataagac tcaagctcaa gaagcactgt acggactcaa acaagcgcac agagcttgg 180  
tttaatgtat tggcacatct ctgagtcaca cgggagtcag ataatgctca gatgaacatc 240  
gcatataccca gaaggacaca acgtgtgaac ctaaactgct tgtatggata tgacccaaca 300  
acaacaggcg ttgcactcaa aggatatcga atgtataaaat gcacagaaga cgctagaata 360  
tgacatgaca taacttagta ggccagccta ctcccttggta tggAACATAC aacaacattc 420  
aaggaaatga tgcctcgacc actaatgcaa gaaactgata tattgagaag atgcataatcg 480  
acaaaagcac tctcaaatac ccccacacag ggaactaaaa ttggAACACT gcaaacaaga 540  
agaccgatgc cccaaggaga ccaacaatgg accttgaccc ctaggaatgc 590

<210> 33350  
<211> 351  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33350

tatgctngct tgtgtggctt ctatagaggc tggatATNTG agcttcaatg aggtccttta 60  
attgtgagtt tccaccatgg agatgcagcg gaagacaaac gataagatgt gagatgaggc 120

gccccatccact atggaataag ccatggcaga tggagcttca ccaccaagat gaggcttgga 180  
taagaagctt ggagtggatg cttcaatgga ggaaaagaaa gacggagaga aagagagagg 240  
ggggagcaca aaattgaaag aggataaagg gagagaagtt gaaattgagt tgtgctcaca 300  
agactctcat tcattaaagg tacatcaagt gttacacatg cttctattat a 351

<210> 33351  
<211> 470  
<212> DNA  
<213> Glycine max

<400> 33351  
  
tgccaaaatt caagtagaaag agagatatgt tgctcattct attactttgt aattgatctc 60  
aaaacattat aatcaattac actacatatg ttgaactcat tgctctcaag aaacttacag 120  
atgaatcaat tcgttaaca ccttagaatc atattaataa tgcataaaaag aagacttaac 180  
ctagaacaat catcatgtta gtctataaca atcaatacaa ataccacatc tattaaactt 240  
gtttgacatt gtaaaattat taaacccaaa ctaagacctt aagacatatc ttcatagttt 300  
tatgcttgg tccaacaata attcttcatt cgaaaatatg ttactactgt ttatattata 360  
aatgttaagc caaaatcatt aataagacca tctaaactca ttatccttt tcccatactt 420  
ataatatttgcgcctccaaac ctacttctat taaatggtag acttataata 470

<210> 33352  
<211> 227  
<212> DNA  
<213> Glycine max

<400> 33352  
  
ctatcgagcg tctagctata ttacgagact caatcttaca tcatagatca acgttatgg 60  
cgtttgaata tgctcagagc ttcaacattc aatatcgagc atctcgacat gtatacggga 120  
ctcaatcaga catccgacat aagagttatt gtcgttgaa ttagctcaga agttcaacat 180  
tcaatttcaa gcagctcgat atgttacggg actcactcat acattcg 227

<210> 33353  
<211> 402  
<212> DNA  
<213> Glycine max

<400> 33353

agcttctttt ggtccttgaa caagcaatca actcctcttt cagaaccatg ctatgtgctc 60  
gcgactggtc cctttcttcc ctgcgaact tgagttcatt attgctaccc catagagctc 120  
cgcgaaattt gttccggaca tactcttcct tgtgagccct cttggctct tggtaagg 180  
ctcttgcgtt aattgcattc tcttcccgta acccggcaca ctccttcga acgtgtgt 240  
caaccaactt gaacttctcc ttggcgaagt ttgccttcc taactcgctt ttgagagctt 300  
ggacttcttc gtccctttcc ggtgcttcaa aattctcttc gctgacgact cttaacttgg 360  
cgagccaatc taaaacctcgat atgcgaactt tcagccattc gt 402

<210> 33354  
<211> 452  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33354

ctgagggtgc gtagccaccatctttcat agtagagttt cgataatgtt tctaccatca 60  
cgattatcgat cttccctttcc atcattgggg gtaccacttg ggccgccaga tccctccacc 120  
tttttaggcgt gttctttgaa agatccgtcc ccctttntgc aaatgttcta tagttgcattc 180  
ctatccggaa ccatatcaaa attgtactga tactgcctaa caaaggcaac cattatgtcc 240  
ttccaagaat ggactcggga agattccaag ttagtgtacc aggttaacagc taccggatgtt 300  
agactttctt ggaaggaatg tattagcaat tcctcatctt ttgcgttattc ccccatctt 360  
tgacaataca tcttttagatg gttcttggga caagtagttc cttgtactt gtcaagggtcc 420  
agcacccatgtt acttgggagg ggtgatgata tt 452

<210> 33355  
<211> 321  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33355

agctntcagc catttcaaac gatcataact ttntactcgat atatctgatt gagtcccgtt 60  
atataacgag acgctcgaaa ttgaatattt aagctctgaa ctgttcaaa cgacaataac 120

tttntactcg gatgtctgat tgagtccgt aatatataa gacgctcgaa attgaatgtt 180  
gaccctctga gcatattcaa acgacaataa ctttttctc ggtatgttga ttgtgtcccg 240  
taatatatacg agacgctcgaa aattgaatgt tgaagctctg agccaattca aacgacaata 300  
acttttact cgatgtctg a 321

<210> 33356  
<211> 390  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33356

actcagctta acattcaatt tcgagcgtct cgatataatta cgagactcaa tcttacatct 60  
gagaanaacg ttattgtcgt ttgaatttgc tcagagcttc aacattcaat ttgcaggatc 120  
tcgatatgtt acgggactca atcagacatc cgagaaaaaa gttattgtcg tttgaattag 180  
ctcagaagtt caacattcaa tttcgagcgt ctcgatatgt tacgggactc aatcatacat 240  
tcgagaaaaa agttattgtc gtttgaattt gtcagaggt tcaacattca atttcgagcg 300  
tctcgatatg ttacgggct taatcagaca tccgagtaaa aagttattgt cgtttgaatt 360  
ggctcaaaga ttcaacattc aatatcgagc 390

<210> 33357  
<211> 151  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33357

agcctatgggt gtgttcgatg cgggttatac tggggcggna gacgatctt accaacacct 60  
tcttcatcgt catcgctatc actatcatta tgatctgaat actgaatgtt cggtctaaca 120  
agggatgggc tctaaaacat ggagtcacat g 151

<210> 33358  
<211> 462  
<212> DNA  
<213> Glycine max

<400> 33358

acctacactt tagtaaaatc atccattaaa ttgcgaccca ctctctttct ttctatacgt 60  
gggtgcatac caggatccca gaggactatc gtatgatctt atatacacct acttaactca 120  
tggatacaat aaatattccc tttacaacca tgtaatgatt ggtatagtagt ggattttacat 180  
ctattaaggg aatgagccctt tatttaacta tatgacccaaa catctcatgt gtctactatg 240  
aattccagtc cacccaaaata aaatgatctc gcggcagcggt tttaatcgct tactgactgc 300  
acggaagccc agacctgtgt tcacgccatt gagttccaac agtataatcat acttggtttc 360  
tttcaagaat gttatgttag ccatcttgta aggacactca tttagttttaga ctatagtgaaa 420  
gttcgacatc tattttaccc ataagtatct cactccaccc cc 462

<210> 33359  
<211> 344  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33359

agcttganat gatgtaatgt ggaatggtga gacttccttc ttttattgtt gaccacagag 60  
tggtaacctgg agatatgtcg cggnngtcaa gagaccttgtt ggacatcatg tgggctgcta 120  
ttggccaaaaa ccaagcttga ccaatccccga cccaaacccgg gcatagtcag tcagtggaaa 180  
cctgtatgtt acctaaggcag gcgagctcctt ggcagtcaac agataatagg aacaaagacc 240  
acaaagcaag gaggcttggt tggggctgg ctggctgtga atcttggatgtt atatatgggt 300  
tatggcctctt ggttaatcgat tactaagggtt ggttaatcgat ttac 344

<210> 33360  
<211> 476  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33360

cttgaggaag cctcttaatg aagctacatg gaggctggct cgtatataacg attcccaacc 60  
cttcgttaacc attggatctt ttcgaaattt ggtctggcggt ttcaaaagac aagtttccac 120  
gatctgacca atgggatctt tgagaagatg tctggagtgtt ggcgcacatt tcctgttccg 180  
agagcattgc tcactttgtt tgtttggcc ttgttaatcca agtagctt gaaaaatgcc 240

atcccttctc ctttcttct tccaaaacca tttccaatgg ttcaagctct ttcttcata 300  
ccccacagcca ccattagcca ccacaaaccg ccgttgttct ccgtgaaac cccacacccg 360  
agaggtacac ctttacccga agcgaaatct tccaacttgg ctgttagttt cgtagccaa 420  
cgaaaaccta atccgacctt ttcattttct tcaaggtacc acggctatg tgatcn 476

<210> 33361  
<211> 438  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33361

agcttgtaa attgtggtn tcttgatgaa gatntatgt gcttcagttg ttntttttta 60  
tgtggtttg aagttaact aaagtagttg tgtgctttgt gaaatgggtt cagggtcttt 120  
tggggctaatt aatgtttgtg gagagagaag atgatcggtt tgctgagcat gattattgt 180  
ggtagcaga agtagaacgg taaacgttaa cactaatgac actaacaagg ttctgaacgg 240  
gatgccaagc tacgctcctc cattgccttc ttctaattcc atgtaatct ttctgaggac 300  
ccttatgtcg ttaatgtga ttgcgttcta tattgagcta tgataggttc ctggatcgta 360  
gtttgcttcg ttatgattc tcatgtggga gattatattat atggtcaat atttgttattc 420  
tagttaactt tatgaact 438

<210> 33362  
<211> 191  
<212> DNA  
<213> Glycine max

<400> 33362

tatctctatg tgctttgtt gatcatgtt gaaaggattt agtgcaatgc tgatggcgga 60  
cttattaaca caaaccagtc caataagagc attatatttt atttttaggt catcaagttt 120  
gatcttcatg cataacaact cactaaactc ctgagccata tctctaaatt ctgctactgc 180  
acttgatctt g 191

<210> 33363  
<211> 418  
<212> DNA

<213> Glycine max  
<400> 33363

agcttctgtt ttcttttcg agcatcttga tatatgacgg gacacaatcg gacatccgag 60  
caaaaagtta ttgtcatttg aattttgtga gagcttctgt attcatttt tagcatcaag 120  
aattattaaa tgactcaatc agacatccga gtaaatagtt attgtcgttt gaatttgctg 180  
acagcttctg tattcaattt cgagagtctc gaattattaa atgactcaat cggacatccg 240  
agtcataagt tatkgtcggt tgaatctgct cagagctttt attttcaatt tcgagcgtct 300  
cgatatatta tgggactgaa tcggacatcc gagtaaaaag ttatggtctt ttgaatttgc 360  
tttagagtcac tggctcaat ttggcgctc tcattatact atacgactca atcggact 418

<210> 33364  
<211> 410  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33364

ataagcaaat tcaaattgaca ataactntt actcgatgt ccgattgagt catttaataa 60  
ttcttgacgc tagaaattga atacagaagc tctcaccaaa tttaaatgac aataactntt 120  
tactcagaag tctgattgtg tcccgtata tatctagatg ctcaaaattt aaaaacagaag 180  
ctctgagcaa attcaaacga caatagctt tgactcgat atccgattga gtcatttaat 240  
aattcgagac gctcaaaattt gaatacagaa gctctaagca aattcaaatg acaataactn 300  
ttgactcgaa tgtccgattt agtcatnta taattcgaga cgctcaaaat ngtatgcacg 360  
agctctcacc anatntaaat gacaataact ttttactcag aagtctaatt 410

<210> 33365  
<211> 509  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33365

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gtggttattc ggatctccat cgatgcgtat cgaggctcta gatgcgcata tggagccaaa 180  
cacacgaacc aaatcaaatac tgatgtcatg cgagtttct cgaardacaacg gcatgtgaga 240  
gaaagcctta cgccatatgtt gtgtactgaa gcaatggggc gtgacacatt gatccgattc 300  
tcgagcaagc tggtaaaaaa cgcgcgcacc ccaatcgctc gagatgtgac cgagcgtata 360  
cgacatgatt ttgcaaattt tgaggtggga ctgttcataa atgtaaatac agctacgaga 420  
gtctaataatt gccgaatgc atctcaactc agaataacaac ttttgcttg atggcaaaga 480  
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<210> 33366  
<211> 437  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33366

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aagattccta aagaagctag agcttagcta cacacaccc tataatagct aagctcacct 180  
cttgagatg agaagcaaga gcttagctac acacccctta taatagctaa gtcaccctc 240  
atgacaaaat acaaaaaagt ccctactaca aagactattc aaaatgcctc gaaatacaag 300  
gttataactc tatactacta gaatggccaa aatacaaggc ccanatgaac ganaaaccta 360  
ttctaatatt tacanagata agcgggctca tacttagccc atggggctcg aatctaccct 420  
aggctcatga gaaccct 437

<210> 33367  
<211> 403  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33367

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gaccttgatt ntctcagggt ccacttggac cccatttcta ccaactacaa accctaagga 120  
aactatatta tctacacaaa aagtacactt ctctatattt gcatagaggg tgttttcct 180

acggactgaa agaacttgcc tgagatgtcc taagtatca tctangctcc tactgtacac 240  
taaaaatatca tcaaaggtaaa caactacaaa tctacctatg aaatccctta agacatgtg 300  
cataaggctc aaaaagggtgc ttgggtcatt agttagtcca aaaggcatca ctaaccattc 360  
atacaaacc aactcggtct tgaaaacngt tttcactcat cac 403

<210> 33368  
<211> 399  
<212> DNA  
<213> Glycine max

<400> 33368  
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tacacatgg tttctgagac tgactgattt attcaagagt ctgggtgttt aatcgattac 120  
catgtgat aattgattac ttctcctact ataagtgttt tagaagtgaa catgaacact 180  
ttaatcgatt actgtttagta tttaatcgat tacattgttc ttgagttgtt tctaggtgtt 240  
tggaagaaca ctctaattcga ttaaaaagat aatctaattga attacttcat tgaattaatc 300  
gattgccttg tagatgtaat tgattacagg ccgttatatg tgctttctct ataaataaac 360  
agcttggtt ctctactaaa caatctcgat attacacaa 399

<210> 33369  
<211> 300  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33369

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tggagctttg gattgttttngataagtgtt ggggggtttt gttcattgac aacttggttt 180  
tgctatgctt atgatgtatt ttggccatct tgatgtacat tgatattggtaaatgtggaa 240  
tgctgatgan atgtgttctc aaagcaagag taaaaaacat aaaaaaaaaat ctccaaaaat 300

<210> 33370  
<211> 465  
<212> DNA  
<213> Glycine max

<400> 33370

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gactcaccgt ctccacggt acccatattc ctcgttctct aaccaccggg tcccattaat 180  
tttccaagg ttacacaaca ttccagcaaa acaacattca cacagcacaa gctatcacag 240  
cccaaccaaa acagagccaa agcagaaaac tctgcaaaaa caccaaccaa aaatcacaag 300  
ctttccact caaaaaaccc aggtaccaat tcttcgatcc aattcgataa ccgttggatc 360  
gactccaaaa ttacttgaa gtctacagtg cataaggcta catttgacc gtggggatct 420  
actatcatac attcagaact cattctacat tactcttgtc acacg 465

<210> 33371  
<211> 355  
<212> DNA  
<213> Glycine max

<400> 33371

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catccattaa aacctttcta attttgaat tttaacaaaa aaagaatatt aaagagaaaa 180  
acctatgatg tatttttta tgagactatt atgtattctt atatctgtgt tctagtaata 240  
caaaatataat tgtggagtga catggaccca aaagttatat actaatataa ttcgatttt 300  
ttctaataata ctttagaga taatctcata atattgtcat ttcaaaaatg tgatc 355

<210> 33372  
<211> 435  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 33372

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cataattgtt ctaagctcaa ttgatatctt tgatatgcta tgtatgctcc ttgaatcaa 180

atttatataa tttgtcttca tc当地atggg gcagattgtt agaattggac aacccatcat 240  
tgaacgatcc attcattcct tt当地agttt atgagtaaca aagatataaa tntatgacca 300  
ctaataactt acacttaaaa gt当地aagaca tgtcatatgg aagtattatg gtaataactt 360  
ctatctcttc agctccttcc tt当地attgtcg ccactcttca atcctgtgcc tatttttaaa 420  
agaataatca catat 435

<210> 33373  
<211> 384  
<212> DNA  
<213> Glycine max

<400> 33373  
  
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gtcccacttg acgagatcat gatcagagaa tt当地gtgagc ggcacttcac ccataacttc 120  
gcttctcata atgctggcac aattcttatac ctctacaagt atgagaagat tc当地tcttct 180  
gcttggaga catatgcaca tt当地gattcac tgtgctattt atagcaaaac cactgcca 240  
caactgtcagg aatcattcat ctacagtctt cactccattt tggcaagaag agctcattcg 300  
gataatctaa ctatgtatca atgttaatat gaactgcacc tc当地cttca tt当地gagagct 360  
caacttcata ctattctcca ccga 384

<210> 33374  
<211> 62  
<212> DNA  
<213> Glycine max

<400> 33374  
  
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tc 62

<210> 33375  
<211> 407  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33375

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tttttattcg gatgtccgat tgagtatcg aatatatcg aacgcgtcgta attgaaaaca 180  
aaagcttgta gcaaattcga acgacaataa ctttttactc ggatgtccga ttgagtcccg 240  
taatatatcg agacgctagt aattgaaatt agaagctctg agcanattca aacgacaatt 300  
acttgtgact cgatgtccg actgtgtccc gtagtatttc gagacgctcg atattgaaca 360  
ctgaagctct gagaaaaaagc aaacgacaat aacatttac tctgatg 407

<210> 33376  
<211> 471  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33376

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aaatagacct aaccagacca ttatagttgc tggtaata ctttaccac ttcaatgtat 120  
cacacaatta tggctttct ctaatgaaac actcttgcct tttaacactc taattccct 180  
ttgagttcta agcaattcaa gagattatgg ccacaacaaa gaacaattca ccaatatgtg 240  
taaggtaagg ctagacaatg aaaaggtaa ccaagattaa ggctaaacaat gtttatgc 300  
acanatgaag gaaataatat tcagaattta ngaattcang taacaatcct tcattcaacc 360  
aatatattac cttaaagag ttnttcttn taagttctc angcatgaac cattcagccc 420  
actttttttt attntaata tnnttacac aaaatcgctt ctttcttc c 471

<210> 33377  
<211> 413  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33377

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aatcccaaca gtgagaatat gcaaacagg ttctaaagggt gttccaaat tcacgatgtt 180  
ccaacgggtt acgagtccat gatcataatt ttactggac agattgggt gtatgcggga 240

aaagagaaaag ttcaagtgcga gggacatttc ttccaccata gtcattatct canacattcc 300  
aatgataagg t gatgcaaag ataagttca aactatgtgt tcaaattca cgatgatcca 360  
acggtaaca agttcnggat cattggttt caaagacaag tttgaatgta tgc 413

<210> 33378  
<211> 522  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33378

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nctcatttac tagtcttgac aagtggtcag tcactagatt ttcaaatcct ttctttctt 120  
gaatgactag atcaaattct tgccagcaata gaatccatct gattaacctg gacttagaat 180  
cgactntggc caacaaatat ttaatagctg catggtcggg gtacacaata accttggatc 240  
ccaccaaata tgatctgaat tttccaggg catatacaat tgcaagcatc tccttctctg 300  
tggtggcata gttcagctga gcatcattt agaccttgct tgcatagtag ataacatgaa 360  
aaaattttc tttctttgc ccaacacagc accaacgaca tagtcacttgc cgtcgcacat 420  
gagcttaaac acttggctct aatccagtgc tataatgact ggaacgaaca ctaagctggg 480  
tcttaaggca ttgaatgcct tccaaacactc ttcatcanat an 522

<210> 33379  
<211> 445  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33379

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tcaatggttt taaaactcttt tataataaca tttgtataca aagagaagag attataacat 180  
ttgtttata tgcaaactat gatttgctt ctttttttta ggcccttacc tcaattggta 240  
acttttgcat ttgctttata gctataggga tgatttttga catattgaat atgtacataa 300  
aggaaaacaa atctattact aaggcttacc angaggtatg tgtgtatgcc tatgttatgt 360

gttatcatgc tataattggc cattatcctt tntcttcct ctatntcctc tagtaataat 420  
atntctcttg gtgctcatct taatc 445

<210> 33380  
<211> 330  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33380

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tctttcttc tttacatttt ttagccatgg gccaaacagc tatcccaatg tacattattt 180  
ttgtcatttgc caagcccctt tgagttagac acttgatatt ttattgaatc acaaaccctaa 240  
gatgaaagtt tccttaccta ccttaagata ggagagcagg gatgtntcg atggagattt 300  
ctatcattta gtggcttagtt gttggattt 330

<210> 33381  
<211> 428  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33381

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ctaactagat gatataaaacg atggatgtta atgtgttcaa ccctacaatg ccacaaccat 120  
gaatcatcat ctatcttact caccaagcaa cttagctcat gaaaagatgc atgctcaaca 180  
ttcagcatat aaatattacc tattctctta ccaatgtgga caactttacc agatatggct 240  
tcacttataa gatagcaatt tctgtcaaac tcaatcttga aacctttatc gcatagttga 300  
ctaattggtaa gaaagttatg ctcttagtgca tccatatgttgc gcacattctt tatctgagtt 360  
tttgtttaat tcccttatatt tccttccca gtatatttttgc ctttggattt gtctccaaac 420  
atgacata 428

<210> 33382  
<211> 397

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33382

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agcccaagag aatgatttca agattgactc aacacgttcc aagaatcaag agaagttga 120  
tttcaagatt caagagaaga tgaattcatg attcaagaga agatatacg aagacttcac 180  
aaggaaagta ttgaaaagat tttcagaaaa acaaacatag cacagttttt ttttcacaa 240  
cagttttct caacatttcc taagctacca gagttttac tctctggtaa tcgattacta 300  
gtttcctgta atcgattacc agtggcaaag tttgatttca aaagtttca actgaatttgc 360  
gcatgttcca attaatttca naatggtgta atcgatt 397

<210>	33383
<211>	332
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations  
<400> 33383

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atgagtgtag	aagataataa	aatcatataa	tatTTGAAT	atttaaggaa	ggaaattcag	180
caaaggaact	tgtttgccta	taatcgaggt	atctaatgac	attcttattt	ttgtgcataa	240
ccttaaatttat	tatatgaacg	gaatcaatcc	tgtgatcgac	aaatctgtat	atcgataactc	300
atttgtttag	cgctntgtcc	atgttacatg	aa			332

<210>	33384
<211>	439
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations  
<400> 33384

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tttgactacg ctcgagtaat gtacatgtta tgtttatatgc agtcaaggat acatcatgtt 120
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tcattcttgt ttgcgacctg tgttcttatta tatgcagacc tgcacttgtg tattgtgaca 180  
ctcacactaa gtgtcccaca aaaaatgcta aaaaactaga aaagaatggg cgtgttagaa 240  
ctttgaacac cacaaagaag catctagatg cattatcttg gaaacacaat caaggagcaa 300  
aaccccatc tacgatctct ctgaatttga accaatcgag acaaaagttag cactcaacgt 360  
acgaccgttag caaaggacgg agcatctaac ggtatggtca tagatacata caaactgtag 420  
accatctgac atccaaccg 439

<210> 33385  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33385

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tatgacggga ctcaatcaga cattcgagta aaaagatatt gtcgtcttaa ttggctcaaa 180  
gcttctacat tcaatttcga acgtctcgat atatgacgg actcaatcan gcatccgtgt 240  
aaaaagttat tgcgtttga gttggctcag agcttcaaca ttcaatttca agcgtctcga 300  
tatatgacgg gactcaatca ngcatccgag taaaaagtta ttgcgtttg aatggcttag 360  
agctcaacat caatttcagc gtctcgat atgacggact catcagacat cnagtaaaag 420  
atatgtcggtt gaattgctag agttcacat tcattcg 457

<210> 33386  
<211> 433  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33386

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tccccgctaac ttagtacaaa gtgacttgca gcagttgggt gagtaattaa gcactcttct 120  
atatgtcaaa tttaaaatc atttacatata caaatatgaa tttcatgtat tttcgagtac 180  
catataactta ttatgaaag ctacaagatt cacccatttg aacttgaaag ggactatgaa 240

gtgttaggata gattataatc atggtaggaa gactgtaaaa antggaaatg gatggaggaa 300  
atttgcacaa tcatagaatt tgcttactag aactcaaatc atatngaat tcctagatgc 360  
aacttctaac tttgttaat ttggatttgt tggaaattaaa gtatattact actgcactat 420  
tatcaagtta taa 433

<210> 33387  
<211> 53  
<212> DNA  
<213> Glycine max  
  
<400> 33387

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<210> 33388  
<211> 392  
<212> DNA  
<213> Glycine max  
  
<400> 33388

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gcaaagattg cataagcaaa aggccaatct tagaaggatg tttacttcag atgaatggtt 180  
gaagtctatg gcagctaaag agcccaaggg gaagcaagca acagatgttgc ttcttatgcc 240  
atcattttgg aatgatgttg tctatgctt ataggctatg gggctcttg aagtgtgtcg 300  
atgtggtgaa taatgaaaaa aacctgaata tggcattta tgaacaatgg aatggccaag 360  
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<210> 33389  
<211> 412  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33389

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gattgacgaa tggcgcagga gacgacttta gtctctgcgt gctatcaggc ttctcggctt 180

tcagatagca gaaaggaaaa tacggataac cacgcgggta tctccgccccg tcagcgtgac 240  
tcattagtca gtatgacaga tcttggggc gcgtaagatg acgtaaatct tccgcatttc 300  
aacgcgctag ttggccgcgt ttgactaatg gcgcatgaga cgaccttagt gtctgcgtgc 360  
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<210> 33390  
<211> 379  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33390

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aaaggcccttct tctataaaatg gctntataat cgttttagtaa aactggtaaa tgattaattt 120  
gacgactcta gccaaatttc aaatagaagt gagttgtgtt gcttggctt acactttgtt 180  
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tttgatataa tccatgcattt tatcatgtttt gattcacact aagcatggat aaagaaaaaac 300  
taagacttaa tctaccaccc atgccttagac taatacattt aatacaaatg ccacatcttt 360  
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<210> 33391  
<211> 400  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33391

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agcaaggtag tatagccaat cttttgtcac tccctccaga gaatgaggaa cagccttttag 180  
aaagatatga tcttcttggc catcangggg cttcatggtg gaacaaacaa tatcgaactc 240  
cttaagatgc ttatgaagat cttcacctgc aagaccatga aactngggca gcacatgtat 300  
tagtccagtc ttgagaacat atgaaacacc ctcatcatga tattgaaagc acaagctttc 360  
ataagtgana tcaagtgcag ccatttttttccctt agagtccctt 400

<210> 33392  
<211> 386  
<212> DNA  
<213> Glycine max

<400> 33392

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aaaatgcacc catatacaat caaggcagct tcgttaccta gattatttac atgtacttcc 120  
aaggtgtatt tgttacctac atcacacaca ttcctttgc taaattcaca tacatgcata 180  
ctctaagcac ttggctatc gaaaattgca tacgtgcaca tcctggatt tctaataacct 240  
atacatacacaa aactttatg ataaatctt actatctaca caataaggcg ctacatttca 300  
tgctttttc aagttttgc tacctaaagc cgcatgcaaa ttcaagtata ttttcttttgc 360  
ctgactaaaa ttgtattcaa aataaa 386

<210> 33393  
<211> 408  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33393

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aggctataaa tagaagcatg tgtaacactt gttgtaactc tcatgaatga gagtcttgc 180  
agacacactt canagttcca cttctctcct tcttnttct cttcaatgt cgtgcccctc 240  
cctctctc tctctctc tctctcatcc tttcatcca ttgaagcttc cttctcaagc 300  
ttcttatcca aggcttattc cctagtgat gatgcctcct ctcatctt ctcctataatc 360  
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<210> 33394  
<211> 333  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33394

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gcaatgtggt gtttcaagta atggatataa atcctgccta tagtgcctc ttgngaagac 180  
cttggattca tgccctgnga gtggccctt caacgcttca ccagaaattg aagctcgca 240  
tgggtggagt tttagtgata gtgtcgggtg aagaggatg gtttagtgagc tgcccctct 300  
ctgccccata cgtagaagcg gcggaagaat cat 333

<210> 33395  
<211> 386  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33395

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gaaacctttg cgaaattctt cacggaaaac gttacggaaa cgttcggaa ggcgcctggc 120  
ttagattttc ttcacggaaa cgattttcc aagcaaattc gaaagagaga ggagtgc当地 180  
aggggctgaa ccctttctt ctcccttcc tcccctattt atagcaaatt aggggaggtg 240  
gttgcgcgcc agctcgccca ggcgagctca gctcgccca gcgagccagg ttgcttc当地 300  
cagaagcaac agccttctgg aggaatattc tggagggccc aagtggccct gtgtgctatt 360  
tgcaccnca ttttactaa gtacac 386

<210> 33396  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33396

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tactaatata tagagtgact gatcagaatg aaggatggg ctttgatttag acctatctaa 120  
tntacctaatt taaactaatt gcacataaca aagccaaac tcacatcaca attattcaag 180  
tgcataagggtt ctgactttca aactcaatnt atagaaaacc gatgttaaac taacatatta 240  
acatcggtt tactgganaa ccgatgtcaa cgttcatcat gcgtacactt tntctgctgt 300

tgttcattgt gttaacatc gggtatttag aaaaccgatg ttgtcatatg tatgttaaca 360  
tcgattcttc aaaaccgatg ttacattcat acattgaaca tcgtcactt caacatctga 420  
tttagaaccg atgtagaatg ttctaa 446

<210> 33397  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33397

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tttgacaatt ctataagaaa aaaggcttgt taagtgttaa cattagaata ttcatatcat 120  
ggaagcaact tgcagttcaa catgaaatac ttgatttct catacttgg tcattgagaa 180  
aaccggttga tagAACACAA cagaatatta attgcaatat gctaatttg gatACCGGAA 240  
atgtctacca agcagtntaa gaaataaggt tgctaacat atgttacaca gaatattaat 300  
tgcaatatgc taatttaac aaacagatta tgtcatttag agaagaggaa accttgtgt 360  
tcatgagagg tngagacttt ngaaaaacaa caaagaattt atgaaggta atgatccaaa 420  
agaggaatac caaatcatgg acacatccaa agggcaatac attctcac 468

<210> 33398  
<211> 396  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33398

agctttgagc cattatcctg actctccata aaccttgnac ccaggtgaga atgccaatcc 60  
ttaccctcgg aagaaaaaaaa aggaaagaaa gaaaggaaat ttccaatcaa agagaaagca 120  
caaaaggaaag gaaaggaaat tcccaatcaa agagatagca aacaaggaaag gaaaggacat 180  
tcccaatcaa agagtggag aaagagaaca aagacaagaa aggaaattcc caatcaaaga 240  
gtgggagaaa gaatataagac aagaaagaaa attcccaacc aaagaatggg agatagtaaa 300  
aaagatagat gctcctggc aaagaacca gaagacatgt gccgagaggt cttggacca 360  
cacgatatct gaacaataca gaattgtcac caaatg 396

<210> 33399  
<211> 294  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33399

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aattagtcat aaccaaaata taatccaaac aatcataatn taaaaacaca taanatccaa 120  
tcataaaaaga cttaaagtcca aataccaaaa gataaataaa gtgcagaaaa tgataactna 180  
tataccatag cccaaatatac cggcttnaaa agaaaaattat anactaaact ctaagactgt 240  
ggacgtggtg gtggaagatc gaagctctgg cgaatataac ccacatcttc ttca 294

<210> 33400  
<211> 322  
<212> DNA  
<213> Glycine max  
  
<400> 33400

agctaacaca ctttgtggac gtatttctc atgtatagtg taaaattagt tgttcatgtt 60  
tgagtgtcca tttgcaagtt tcaaaactac gtttctgatc caattcgatc tggagtgtt 120  
tttagtgtt ggtatattag aataaagtgt tggtttgct ctaataatat ttagccatt 180  
agtatccaat tagatgcatt agtgcttga aatataatag accggacata attcggctgt 240  
tcaaaatata taatttggc aaaatacttt tgccgcctaa atatccccca taatattgtt 300  
atattacatt tcgataatga tc 322

<210> 33401  
<211> 270  
<212> DNA  
<213> Glycine max  
  
<400> 33401

agcactatat gtattgatat gactcttac aatcgattat gaatgacaac gttcatatac 60  
actagaaaatc gactaccaat atcttgataat cgattacacc attctgaaat caattggaac 120  
gttgctcatt tagttgagaa cttttgaaa tcgaacttcg ccactggtaa tcgattacag 180

gaaaactggtg atcgattacc tgagagttga aaatctgggt acttagaaat gttgagaaaa 240  
actctttga taaacaaaac tgtgctatgt 270

<210> 33402  
<211> 400  
<212> DNA  
<213> Glycine max

<400> 33402

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atgcctccctt tcttgtgtgt aacagataaa tccaaagttt ctttgaaa tcataacta 120  
ttgacatgaa gtatctaact tttcccttg attatacctt tgaaggccct cacaagtcaa 180  
aatgaatgtc atccattcta ttcttgg tgagcattcc agtactgaat attactatgt 240  
gacacttacc atacacacag tgtcacaaaa aaggcttcca atttgactc tccaaactgac 300  
cttggcagat attgtctcac actaaactga tcctatacat 360  
cttggcagat attgtctcac actaaactga tcctatacat 400

<210> 33403  
<211> 406  
<212> DNA  
<213> Glycine max

<400> 33403

tcaacacaca atctatgtt gctacacccc tcataattcaa tgggctttat aagatcgaaat 60  
atagcaaatt aaactgtatgt aaatgtgaag caaactttca cctcacacaa gtccataacg 120  
tcaatctata cttgctcaaa ctgaatgtat acctaaaatt ccaccgaatc aaataagatc 180  
ttcatcacca ttttgcctta gaaaagctct cagtcacttt tgtcatatgt actcccttag 240  
cacagcaacc tatctacatg tctacatgac atttcagcta agatgactaa attaacactc 300  
attaccacat atatagaact taccctccca cgctcaagcc acactctatt cactcattaa 360  
cacccattat cacttttacc gtaggtaaaa tacatttatac tctacc 406

<210> 33404  
<211> 307  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33404

tagcgtaca tcaagcgta acttacagag agtaagtctt gtctttca ctttcaagaa 60  
ttcanaagcc gtaagagagt ggcgcttatac gcctcctgtc ctgctcaccc cagctaaaa 120  
actcatgtta taaaatggat ctgcgactta acgtaagata ttgcacttag cgctgctaca 180  
atgaaatctt tcttgagaaa aagtggcact tatcgcatca tccacgctga acgcactgtg 240  
taaaggtaa ttaccgagaa gatgtgggc ctatcgact gatgtgcgct ttgctgaact 300  
atcagcc 307

<210> 33405  
<211> 412  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33405

cttgcaact taaaatngag agcatgctta atgcttaat tgatagatag aacacagttt 60  
acgagttggg acaagacctt gccaaattca tgaatgtcac accaaaaatct tgaaaactga 120  
ttggaagtaa aacttgcattc tttataaaa ttccattatt atttgaaggg catataaaac 180  
aaatgttcat agtagaagaa ttacactat ttaattaaaa aatgttttc taaaaaacac 240  
ccacattaa taatgttagaa ttgattacaa aaaaaaatgt agaatcaaat ttataataaa 300  
taaatataca caaatacggg atgcgaggga aaatatccat taaatatata tntagctcta 360  
tacatgttga ttaagttatt agttacttac agctgttaaa agaaaataact aa 412

<210> 33406  
<211> 321  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33406

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tgtatatcat atgcttgaa tatgtatgct gtgattagaa cagaatgaac actatattacg 120  
acatgactg acattgttac ttggttgac tgcaaattat atgacattcg ttagccatat 180  
ccaggtggat ttgtgatctc taattgtgag agaacgacta gcattatgta ctcagtttg 240

catgaatctc tgaatattga atgactgcat gagtctcaag aatacgaatg ccatgattgt 300  
tcgacattac ctcttatcca t 321

<210> 33407  
<211> 324  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33407

cgagaccat cttcaagaca taaacaagac acaacacttt gtgcgtgatc ttcaaataaa 60  
atagggtcag taacagttcc acctatgtnt cattacaaca acagagcgag actagaattg 120  
acttcatgga agacaaggct gacctcatcc attggaatta cacttgatgg aaaattggta 180  
tcatcccta atggcttcta gagctcgagt tactcggtt gttttgtgg ttcatcatgc 240  
tactgtggcc ataacagtat aaacacacccg caactatcta cgtagataaa acctcatcat 300  
ngcgcttaggt agaataagaa atca 324

<210> 33408  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33408

tcttgcttgt acgttttca tccataaacc tatgtggAAC atttgacatt gttataccct 60  
aatttgcgtcc ggtgattatg atnngatgtat atacaacctc tgattggccg cttcaagata 120  
cttggcaccc tgtgctgcac aatatgtgaa ttcccggagat gtgccaaaa tcaaaaagaa 180  
gcatgcgtac gcgatccgtg aaaattcgc aatgtgacat aaatcgatg gaagtgtttt 240  
tcgcataaccg cga 253

<210> 33409  
<211> 304  
<212> DNA  
<213> Glycine max  
<400> 33409

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aatatttca tgcagggtgga gcttcttcta gtaatttaga cttaccgcaa cctcttatcc 120  
ctcttcatt cccacctaga gcaattccag aaaaaaaaaat ggaagaagta gaaaatgaga 180  
tcttgagac cttcatgaaa gtagaggtga acatacctct tctagatgcc atcaagttt 240  
ttccaagata tgccaagttt ctaaaggagc tgtgcaccca caaaatgaag ctcatatgca 300  
atga 304

<210> 33410  
<211> 352  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33410

agctntgaaa agtgttgnt ttcacccatt cgctaagcca atttgttggc ttaacgagct 60  
tccactaaggc gcaacactca tgggctaaggc gcgaggaaga ctctggaaga agatgagttg 120  
cacagattcg ctaagcacac cgcttcattt cactaagcgc actgcttcag ttcatccgg 180  
aagcgagaaa ggcacgtgct aagccaaaat tcactaatgt gcactaagcg gtccataagt 240  
gcgcttagcg cacgagcacg aacaaggcca cctatttaag cctgaaatca gattctagag 300  
agagagttt gactgggatt cacagttt catgtctaga gattctaaag ag 352

<210> 33411  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33411

cgttntgatt attgttgtn tcttctcatt cccccatttta atattactta gactagtctt 60  
ctatgattgc ctttctaagt tcttcaaaaa ctaaggttt atttaatgtt gtttgttg 120  
accaactata gtnttacaca tatgaaagct tgaagcaagt gatgccatct agtattcaac 180  
ccaacacgtt tcagactgtg agttaatgtt tgcccttgc tcttaaccat cattttttt 240  
tctcattgca atgaatgtaa ctgggatgtat tttacaaatt tctatangca gtgtgtggag 300  
gattagctgg atctatggct gctttattca cgactcctt tgatgtgatc aagactagat 360  
tacagacaca tgtatttaat tatcatgccc ttcaattgtt taaattcttta ttgctactac 420

tggcagcc atctaattag atgttg

446

<210> 33412  
<211> 411  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33412

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gctaatttct ttgtccttga actacactca acgcttatng caccaaaatt attacaaatt 120  
atggtgattc tggtggtttt tagggttcat atggcgtgg tggtttcct aaccgcagtg 180  
ttagatgcgg tggtggtggc tccagcagaa gtcgtggtgg tggtcagttt gccaacttt 240  
agtatcaaca ttgccttaa gtatggacac tgcgcaattt tgccactta agtctgatat 300  
gagtttcag cctcatgaat cagtcacctt ctttGattct accacacttc naccaattcc 360  
ctactccact ggttcaatca gagttctaa tacctggatt aatcctaatt c 411

<210> 33413  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33413

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ttgaccttga cttgatagaa cctctntta agcanaggcg cctgactcga tcccatgttt 120  
tactaaagtg aaacaaaacc cagtgcgaat caagactccg acatctatca tgggtggaat 180  
ggatgaatgc atgaagaaat gcatatgaca cagaccctcc gtcgagattg tcctttctt 240  
agatacaaca ttcccggcagc atggctcctg atgtatgcat ntaagaaggc gacacgaacc 300  
ctccgtcggt tcgtgacaaa gtgagggat caagacgcaa cccatgcatt atgcggatgc 360  
gataaaaggca caacacgagg atgtacatag tatgacaata tccacaaaata atcatacagc 420  
aaaggcgtac atgacatttt taaaactacat 450

<210> 33414  
<211> 426

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33414

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gtggcacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcaa gtnggtgct 120  
attgccaaa accaagctt accaatcccg acccaacccg ggcatagtca gtcagtgaga 180  
acctgtgatg tacctaagcg ggcgagctcc tggcagtcaa cagataaaag gaactaagac 240  
cacatagcaa ggaggcttgt gtggggctg gccaaactgtg aactctgatn gatatatggg 300  
atatggcctc tggtaatcga ttaccaaggg tgggtaatcg attacaacgc taaaaatga 360  
agacaggaga ctaagatggt ctctggtaat cgattaccaa gggagtgtaa tcgattacca 420  
agcttg 426

<210> 33415  
<211> 451  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33415

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gcccctactt tcgaggggca actcccacct tatgaagact atccgggca agacaatgag 120  
gaaggagata cccatcttag cccctgctc cacctcaaag atccgtcccc ccatgaacta 180  
ccccaaaccaa acatagtccg ccatatcccg acttcaccca caccgtaaa agaatctgtt 240  
cccttcgtgg aagataaggg aaagattgag gtgcttgaag agaggtttag agcagtcgag 300  
ggcctcggca attaccatt ctcggattta gcgatntat gtctcggtcc caacatcgtc 360  
atccctccca agttcaaagt accggacttt gataagtaca nagggacgac atgtccgaat 420  
gggcatcttc ggatgtattt atcgaaagat g 451

<210> 33416  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 33416

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ctcacagtct ttagaattgn gagccaatcc aatcccttgt gttcggactc tcaaccactt 120  
atgatagccg gcgatgatcc cattactgct tcccctaagc tctctgtcct ttttcacgc 180  
cgcatccat gccttgcgaa ctcccttgag taccctcgcg ttgtggtcac cgaaaccccg 240  
tgcgatgaaa ggcgtgatgc ttgcgtctga tggcactcct ctcatggggt agccaagctg 300  
tcttatggcg aggacgagat tataattaat acaacccctt gttccatcaa ggAACATT 360  
ggacatcctt cgcatgaaga tagaatccct gattc 395

<210> 33417  
<211> 464  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33417

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tcctcacgtt tggttttta gggaaaacac cataactaaa cgccgcgcaa gggatcccta 120  
tcgcaccaga tccaaatcta gaacgatggg tcatcaagag gagacacagg aacagatgaa 180  
agccgacatg tcggctctga aagaacaat ggcctccatg atggaggcca tggtaggtat 240  
gaagcagctc atggagaaaa acgcggccac tgccgcccgt gtcagttcgg ctgccgaagc 300  
agacccgact ctcttggcaa ctacgcacca tcctccccca agcatagtag gacggngaag 360  
ggacgcactg tggcacgatg gcagccctca cctgtgatac aaccgaacgg cttaaccctta 420  
tggattgccc cccaaactatt caccacccat ctgcaagaa gatg 464

<210> 33418  
<211> 141  
<212> DNA  
<213> Glycine max

<400> 33418

gctcatattt atggggcaaa tttgggggtt tatatgctt atttgttata gatgacgggt 60  
tggaaaggat ggccttacgc ctatgtggta ttctgaaaca atggggcatg ccacattgcc 120  
cccattctct tgcaatttat g 141

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<210> 33419  
<211> 337  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33419  
  
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actttgtact cgatgttcag attgagtcca gaaatttgc gagatgctt aaattgaaga 180  
ccaaagctct gagcaaattc aaacgacaat aactatttac tcggatgtgt gactgagtcc 240  
cgtaatatat cgagacgctc ggaattgatt atcgaagctc tgagcgaatt caaacgacaa 300  
taactgttac tcggatggct gatagagtcc cgacta 337  
  
<210> 33420  
<211> 392  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33420  
  
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gaaatnttct catagccttc aacatttcaa gttgtgagcc gttttgatn nattacgata 120  
ccctcaatcg gacattccga gtaaaaaagt tattggtcgt tgaatttgc cagagcttcn 180  
gcattcaagt ccgagcctct cgatatacta cggactcaa tcagacctcc gagtaaaagg 240  
ctattgtcgt ttgaatatgc tcaaaacttc gacattctag tccgagcgtc tcgatataatt 300  
acgggactca atcagacatc cgagtaaaa gttattgtcg tttgaatatg cttagagctt 360  
ctgtattcca tttgagcgtc tcgatataatt ac 392  
  
<210> 33421  
<211> 446  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33421

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tgattgagct taattgagaa ttgttagctaa atttcaaatt ttgtgcttac ttgacatatc 180  
tatcttgtgt agggcctaga ggagactaca gaactccaaa tggaatgtgt aagtagtccc 240  
tagaaaagttg agaaaaggat cttcaattgt gttacaaatg ctttagccaa ttctggcatt 300  
tcaagggtca cattgagctt ggaagtcaga gcctctgcac ttgaataatt gngctataag 360  
tttggacttt tattttgtga attagtttag ttaagtagtt aggtagttat tatagtatct 420  
aagtaagtca ctaacactct atatat 446

<210> 33422  
<211> 441  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33422

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tctcccccta tatgatgatg acaatcctga aatcaagaca agctatatac aagatgatag 120  
cccgttcaca tagcccttac tccccctatc tttggcatg tatgcctaac tttaatgatt 180  
ttaattgatt tctaacccaa gttctctccc ccttggcaa cataaaaag aataagcaag 240  
acaatcaata gataaacaga gtcaaacatt aaacaaaat aaatccatac attgtcataa 300  
tcaaccaaag caaagtctag aaatataata atagtgcag attacgataa ctagagcaac 360  
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ttagtcataa taataacata t 441

<210> 33423  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33423

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atgaggcgca cgccacatca ctggccgtcg catcacgacg tagtgactgg aacgaccctg 120

tcgttgc cctgactcga cttgcagcga atacttctt cgccagctgg cgtagaacct 180  
aagacgcccgg cccggatcgc actttcctca tgtcgatctg ctgatggcga ctggcctga 240  
tgccggacttc atttcttaca cctctgcgcc gtctatcact accgatattg tgctctctca 300  
ncacgagact gatatgccgc cgcatagctg tctcaggcca gcaccctcct acatcaggtg 360  
cgcgacttaa tgacagcgtc tgagcagaca cgaacatgtc gacaactgag tgccccggta 420  
gtcaccaact agtggcgtgg gacatcagcc atcgcg 456

<210>	33424
<211>	437
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations  
<400> 33424

<210> 33425  
<211> 427  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33425

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gtttaatgac ttgtgaccaa aattggtaa tcagtttta ttttttatg ttaggtgtg 180  
gactttggaa tatcttattt tagaattcat atatcttgc ttatgggg aaattaaaaa 240

aaagtataaa tctggtatgt gtgatattca acgataataa aacaagtat aaatcaaata 300  
ttatgttcca ttntataaat acactagtgc tttatgggtg tgcctcttgg cactcccact 360  
agtcccactg ctctaacaat tattttatac ttcaaatacc cttcattgaa tactttgtcc 420  
ttatttc 427

<210> 33426  
<211> 444  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33426

ggcatgtta tgcttgtgg atttnntgt gatagtgaat tttggccgga gaaatgttga 60  
gtgaatagat aaaagtacct taccgnngat ttgtatTTT tatgaggtga attgggttt 120  
ttacatttg agttctatag tagcataggc atttgtgaca ctTTTctac ttgtganatg 180  
ccgagtagtt gtatgctgca acttcttgca cnatgtcant gctcatttg ctaagaaaga 240  
ttgttggag gatacttcta gttgtgcaa taaggaaag cacatttagat ctattgttga 300  
tatatagata ctgcacaaag agcttgccaa agaatcccgg tttctcatg aacgaagtaa 360  
gcatatagat acaacgtatc atttcattag agagtgcatt accaagaaaa gaagtagaat 420  
tgactcatgt gaatactcaa gatc 444

<210> 33427  
<211> 422  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33427

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tggcataat aatgcacaca acttcgaaag tggttgcaca cttaatcatt tacaaaagaa 120  
gattttaaa gtttatctc atagaaaaca ctgcgtccaa gaatataagc catatagatg 180  
atactagatt ctanaaaaca tttatgatat anaaataata tntttataca gactagatgg 240  
atgcTTCAA ttaagtgaac acttangtat atagaaaaaa acatttgacg gcttatgtta 300  
agtagatgga ttattanaac cctagatggg attgtgatgc tagtcttaat gatacttgaa 360

gaatntacaa gacatacaca tgacacagac cctagctctt caatcttggt ctttgacctt 420  
422  
ga

<210> 33428  
<211> 268  
<212> DNA  
<213> Glycine max

<400> 33428

acctcatttc tggtagtcgac gacaacgctc gacttggaa cttatctgcc aagagtatat 60  
aactggaaa actaatgtgc ctttatcaca tctcttcaca cagtaatgct gagcaaatga 120  
atgtcagcat tcactgtcta tctgcattaa gtaatgagga aacgacgaga acagaacctc 180  
tggaaaatttg aataatctat ctatcactcc aacgatcgta tggatcatgtt tgcattcctc 240  
ttgctcataa atcctactgg gttcaact 268

<210> 33429  
<211> 366  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33429

tgcgtatgtt gcaggaacat atggtaaac aaccttgctc catttctttt ttaangagat 60  
tggtcgctcg gcacgaatca cagcttcata caggatcatg cgccataata actaatacat 120  
aactgaggaa gagatcgatg atacgtatgg acataatacg actagaactc gtttctgatc 180  
taagtgtga gttatgcgt gttaagatga cactcacaat tgactcggat gtccttgcac 240  
gctctatctc aaacctatca agtggatcg ctaacatgca gaacctgtta acgggtcggt 300  
tgtgtgagga tgtaaagagt gacagcttg tcatgtctat gaagtggaaat cagaactatg 360  
cacaca 366

<210> 33430  
<211> 336  
<212> DNA  
<213> Glycine max

<400> 33430

agcttttact ttatctgtaa gctgttagcca ttaggtcgat caccatgttag ctaatgttgc 60

tccccctatc tctagcatat catatgtcaa taagtacttg cagttctca tcatgaaaaa 120  
tacttgaact atggggcatg tcacttggtt tggaaactta ttgagactaa ggtcgatcac 180  
catggtagg aagttgattg agcacgacat ggtgacctcg acacttggc cctagttta 240  
ctaagtaaa gcgtcgtgtg gacacactta agctatttt tgactaatga taccacattg 300  
catctgatat atgaaggcta gtgcattgcata 336

<210> 33431  
<211> 294  
<212> DNA  
<213> Glycine max  
  
<400> 33431

gtgaatctct cccacgtctc acggagtggt tcgtcataacc cttgtataaa agtcgctatg 60  
aagtttgct gcaccttta ccaagtattt atgctattat tcggatgtga ttggagccat 120  
gtttttgcct tacctgccaa tgaaaatctg aaagctctga gtagacagc tacatcatct 180  
tcatgtgatg ctcccatggt actacataat tgccacaacac ttattgctga aaggaggaat 240  
gactatgtt gtagatgtatgc atggccttg ttgatttagca tagtcaccaa gagt 294

<210> 33432  
<211> 400  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33432

agctntggga ctgtaaaact atataacagc accaagggttc tagtttaggt ctctttcga 60  
ttattcgttt ttagtttag tctctctctc tctctctctc ttcttctctc tcctatttc 120  
gttttagtt nttaggctttt cttagacact nttttggttt gcaattccag ttttgacttt 180  
tcattttagc aataaaatnt tggcttcaa tctataattt cgttctctat tgattaatgg 240  
aaggctagat ttctgggtg tggccctttt gaggacgaag cccaaactctc tntgaggttt 300  
cgctggcaat gtggtttcct ggcagttnc ccttcaccag ttatccaaat ttcgtgaata 360  
ttaatcagtg cacgcttcgt gttcgattaa ttgcctctga 400

<210> 33433

<211> 389  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations.  
<400> 33433  
  
tatagaatat ataataagag atctatgact attgaagaat ctattcatga ttcctttgat 60  
gagtctaatg ttattcctcc aagaaaggaa attctagatg atattgcaga atctttagaa 120  
aaaatgcata tttatggaca agattctaaa ggaaaaggaa aaggaagcaa tgaagatccc 180  
ccagaagaag ccatatcaaa ttatgaactt ccaagagaat ggaaagcttc aagagatcat 240  
cccccttgaca acattattgg tgatatctca naagggtaa caactagaca ttctcttaaa 300  
gatntatgca ataatatggc ttttgtgtct atggttgaac ctaaaaaatataaatgaagcc 360  
ataatagatg atcattggat agttgctat 389

<210> 33434  
<211> 427  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33434  
  
agcttgaat gttaagtgt agaatgttga aacttcttgc tnttattcgc tgaccacaga 60  
gtggtaacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcaa gtggggtgct 120  
attgccaaa accaagctt accaatcccg acccaacccg ggcatagtca gtcagtgaga 180  
acctgtgatg tacctaagcg ggcgagctcc tggcagtcaa cagataaaag gaactaagac 240  
cacaaagcaa ggatgcttgt gtggtggtcg gccaaactgtg aacttgatt gatatatggg 300  
atatggcctc tgtaatcga ttaccaaggg tggtaatcg attacaaggc ttaaaaatga 360  
agacaggaga ctaagatggt ctctggtaat cgattaccan aggagtgtaa tcgattacca 420  
agcttga 427

<210> 33435  
<211> 450  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations.  
<400> 33435

tatccttatg gcttgccctcc ggacttcacc ccccgtgcc a ccccgaaaga tntaagccaa 60  
gcccctactt tcgaggggc a actcccacca tatgaagact atcccgggc a agacaatgag 120  
gaaggagata cccatcttag ccccctgctc cacctcaaag atccgtcccc ccatgaacta 180  
ccccaaacca a catagtccg ccatatccc a cttcaccca caccgtaaa agaatctgtt 240  
cccttcgtgg a agataaggg aaagattgag gtgcttgaag agaggtttag agcagtcgag 300  
ggcctcgca attaccatt ctggattta gcggatttat gtctcggtcc caacatcgctc 360  
atccctccca agttcaaagt accggacttt gatatgtaca aaggacgac atgtccgaag 420  
gggcatttc tgatgtattt atcgaaagat 450

<210> 33436  
<211> 207  
<212> DNA  
<213> Glycine max

<400> 33436  
ctagatgaca cttgacctgc ttggcggtc gaccgactat aacccttcta tttgtatgc 60  
tgaatgatac tactagacac tcatcaaccc tccatgtcag acctgtatgc ggagcatgaa 120  
cgcatagccc ataataacc gactcccaa ctaacacgct atctccacc tcttattatt 180  
tgagcataaa ggcattcatt tatctct 207

<210> 33437  
<211> 299  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33437  
tcntcgagg gagagaacga gagagagaga gagagtggca cggttatga atgataatac 60  
ggagagaact tgaacgtatga agtgtgtctc acatgtttct catacatcaa tgttagagacc 120  
tgtgttacac gagttctat ctattgccta tgtcaactacc tagattgaga ctctcatatt 180  
catttcctga gaatgttagaa ggaatatgcc gagaatatgc cctaggcatc ttatcatatc 240  
cccttataat gccgcaagca tggatcgtgt gactctagca catggacgc tttcttgag 299

<210> 33438

<211> 443  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33438  
  
ttagagacct taggcatgca agctntgagt tctatggccc caatgacatc tatccnccac 60  
atggaaaaag gccaagggtgt ttacatgaca ttcagaggat gtggcggAAC attgacattg 120  
tccgcgtacg cttgacattt atggcattac cttacatggg cgtagcaatc gctttccata 180  
gtgagctagt aataacctgc tctaaggata ttcctggcca taccatgccc attggcatgt 240  
gtccccanatg cacccccgtg gatttcctta atcatgtagt tcgcctctct ggcatctatg 300  
catcgcatga gggtcatgtc gtcgttcgt ttgtacacga tggtaccact cacatagaaa 360  
ctagtatcca atctccgtaa cgtgctttg gcattgtcgg aaatccctgg tggatattct 420  
ttgttctcga catactggct aat 443

<210> 33439  
<211> 395  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33439  
  
tctgtccctg agaaactggT tcccagaaga caacagggga gtaatgaatg ctgaataccc 60  
taaccttgca acatgtccct aggaagtaga cacggagatg gacaagaaaa tccgcagtat 120  
tgtgagtagc attnttgaat agacgcctct ntgtgcctga ttgctgagaa aagatgttcc 180  
aacatcttcc aacccaagtg tttctgtgcc tgatgctaag aaagatgttc caacatcctc 240  
cgctccaaat gctgaagccc tcccttcacc cagtgaagag gaatcaacag aagaagagga 300  
tcaaggcctca gaggagactc ctgcaccacg ggcaccagaa cctgctccan gtgacctcat 360  
tgacctggaa gaagtcgaat ctgatgaaga accca 395

<210> 33440  
<211> 450  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33440

agcttggcta attctgaccc aatcctttca tagtcagtca gtgagaacct gtgacgtacc 60  
taaacaggcg agtcctggc agtcaaccaa taaaagaaca aagtccacga agcaaggaga 120  
cttgtgtggt ggctggccag ctatgtatct tgngtggtat atgaaaatta gcctctagta 180  
atcgattacc attcatgggt aatcgattac agggtttana aatggagaca ggatgttaag 240  
tagctactgg taatcgatta ccaattgtgt gtaatcgatt acatacttg gtaatcgata 300  
ccagagagga aatcccttga naaagatatt ntgactattg cgtagccgta tgggacgcatt 360  
tgtatgcgta cctatgttagt tagatttctt gtgaaagagt ctaccctctn tcttttatct 420  
ctttagatc gcgatgcagc acagttgatc 450

<210> 33441  
<211> 377  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33441

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gtggatcatc tggaatattt ttttgcatac catatttctt catgacccta tctactacat 120  
gtcattccag aattgcaaaa catatgagag atactttgc acgaagaatc atagataacct 180  
caacattatt agttaatcac cttatttgaa gtgtctcata aggtgtccac cagaactgca 240  
agacatatat tattattgtc acatatttat aaatgaataa gaaacacaaaa gaaataactta 300  
atagaaataa taaaaaaaaatg aacttcatcc atatgttagtca tattaaatat gatgcatata 360  
agtctgattt tatgggt 377

<210> 33442  
<211> 423  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33442

agctgtgcca tttttcttca taatattaac actctcccac actcctatctt attagttatgc 60  
tttgaatctc tcttcttctca tgtataaggt atctttctgg ttgagctatg aattaattat 120  
taatctaatt gttaaggcaga gtaaatgattt ctattataac gattctgtca gttgattaca 180

ttgtgtgatt gaatattttt tttgggttgg a tcatactat tccgtaagga tgacaattgg 240  
atctattcat ctcgtaactn tctaattctt ccataaataa attcagccaa aatatgcaat 300  
tatcaaagac aataatggat tgcatatgtt gagtcaatgc tatcattgga tggtcagtga 360  
accatccaac atatttctta taccattgga tcaatggag caactccaaat gggtgtggag 420  
agt 423

<210> 33443  
<211> 338  
<212> DNA  
<213> Glycine max  
  
<400> 33443

tgcagcatcc ataaacaaat aggagacaag atagctataa aaaccttcca agtattcata 60  
atctacaaca ccatcaaacc catagctta gaatccttgg ttgaaaaaga gaaaaaaaaag 120  
aagcactatt tacaaatgac aaagtcaaac atgcatacg gcacatcacf tacaccatt 180  
caaaacatag aaacactagt tttttaaaaa tattcacaac catgcttcc gtcacgaccg 240  
caacggtatac acaattacaa ttatggctac atcggacgta ttaatctgca attttctata 300  
atgtcatagg atcacgatga aatcgcgacc ccgaccat 338

<210> 33444  
<211> 405  
<212> DNA  
<213> Glycine max  
  
<400> 33444

tagacgacct ttttgagtcg agaatacttg atttatata tggacttgg tgaatatgt 60  
gtataaagag gtgaatgtga gcctctttc cccttgaaa gactcgtttta aaataatgtt 120  
ttaaaattac tttaatgaa tatttgaatt ctatatttc ctatcacga tatatgttag 180  
ggtagaggg tgtcacaact atcatccaaa caatttatga ttaattttt atattatgac 240  
atacattcat aaccttagtcc attgtgcattt ctaaacataa tcgcgatcat gaaaaataag 300  
aataggattt gagagaaaaga ataatttca cacagagttt aaataccaag ctttgactca 360  
catactact tgcttgaagt ggatccttga atggataatt gttca 405

<210> 33445  
<211> 395  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33445

agctntgata gtttgtcgta tctcttattt tattctccca cgatataactt gagcttgaac 60  
ttgggtgaatg cctttntaag tcaggttagct atggngaaatg accttgcatt ttgaggatcc 120  
ttagtttacg aatctccatt cagttgtcta gtgataaattt tggagctgct ccagcactta 180  
aagtatttgg ttcctactct ttnttctaat cttaggccga ctaagaaatg gtcgcaacat 240  
gcccttntgc aggcgagcga agcaaggctc acgggtgcgc tttccaaagg aggaaagatg 300  
cgtggagtcg ccaccaacgt tttttgtgg gaaacgtcgg ataaaccgaa ggaaaccggt 360  
caaaatgaan attctaagtt cgggagttgt attac 395

<210> 33446  
<211> 350  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33446

nttatctgggt ggattcactt ttgatcacaa ctgtaccata ttgaatatca ttagtcacca 60  
canaaggacc aatccacttt gacctaact taccactcgat gagtccaaatc ctagagttat 120  
acaataaaac tttctgtcca accacgaatg ctttcttagc gatcaaacta tcaaggaact 180  
tcttggtctt ctccctttagt aatttggaaat tctcataggg ttctaaacgg atctcatcta 240  
actcacttag ttggaaacttc ctttccttc cagttgtatc aatagagaag ttgcaggtct 300  
ttacagccca gtaagctttg tgctctatct ctacaggaag atgacatgcc 350

<210> 33447  
<211> 287  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33447

ttagcttccg tgatttgg agagcctnta cacaatcgag aactattatg tattgactct 60

tgctatggtt taacgacaac aggacagtgt taacgtgcgc tccatgttcc tgatacgacc 120  
aacgtataag tcacaatatg aaatcatgaa tatctatata aggaaactga atagcggatc 180  
aaacattctg gacgttatat catttgcact gaactatcaa tgtgttacca ggcatgagga 240  
gtctctggtc atttatgacc acgatcaett tctggatta taatccc 287

<210> 33448  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33448

tgaacacgat catcgacact gatggaagan ctgtgttga catgagtgga tggaaacttg 60  
cttgatgaca acaacgagta tggctgtgtg aactactttg caattgtcta tcctatggag 120  
acagcgacaa ccaatagtga gtatgatcct tatcatataa aaactcgcca tcagacttta 180  
caattgtggg gaactgtgtt tattaacatg ctcgctgtaa gatatgaata ctataactcg 240  
taatacaaga gaacctcctg aagcttcaa tgactaatag agtgggggtga aaggatatac 300  
agagaagatc gatggacaaa atcattatca cattctgaaa acacctatca gttgaaaga 360  
atgcatgact tactgctcta tatctacacg acatgatgct gcatgctcta acgatgaaag 420  
accggcgagg gcacatggtg gtctactctc taatgttttn 460

<210> 33449  
<211> 276  
<212> DNA  
<213> Glycine max

<400> 33449

tgcattcttc ttaccctctt attaccacaca ccatacatca aacctatcaa tgtttagata 60  
atgacatcta cagaaatgca gttgtgaaag gaaaggggcc taagctctac ttgtgatgac 120  
aagttttcc ctagccatcg ttgtcctaatt aagcaacatt ctgttctact gtggaaagaa 180  
gaggatgatc ctgcattca tccagatcca ccatacgatg ctgacacacgc tggtgacccc 240  
acattgcaag atcatcattt gtcttataat gcttta 276

<210> 33450  
<211> 404

<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33450  
  
agcttctgtt gttAACACC tctCTTGTGC ctCTGTTATC cgATTCCAA caaggcaacc 60  
ttggCTTGC acCTTACGGT gagTATTCTG gcGAGTCATA ggtgttatgc agacatctag 120  
tcaaAGAGGC taataattaa tgggtgtggg tgTTgataaa accccaaaca atgatgtct 180  
aggggtaaaa tggattcttG aagcatatat catgatAGGG cattGCTATA gtgcactaat 240  
taacACTGCT atttggccg ttattgcAGC cgctCTGGCT actattaata aacgactcca 300  
ctatCCTGGT attgactact aaatnGatG ccctAGTTaa aaaAGTAatt aaatggatca 360  
tacccaatat acaaAGGTAG agaaAGACCA tagagaACCT aatg 404

<210> 33451  
<211> 451  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33451  
  
tcagtagcag ataaatatct catacatggc taaAGGCATG agatatttc aaAGCAAact 60  
tatAGTCaaa tGatGAATGT tcattatTTT tataatttAT cttCTGAAAT tgTTAATTc 120  
atgtttcacc tacaAGACTG catcatttct ttCATAATAA ttGTTGCAAA gcattGAATT 180  
tgctgacaat gtgtttcta gtGATGGAAT ttGTTAACAA atatttattG agatTTTct 240  
GCCCAATTG aAGCCATCAA tttGTTGATT atttGCTATA tatCATAAGA tggTGGTGCa 300  
tagcaatNTT tggTTGAGCC atgtctactt agtttGATAN tttGtactct gtAAAACATA 360  
ctttGTTAA ttCATACCAT ttCTATGGAA attttcaatt acatGAAATC ttaatCTTtG 420  
agcaccaACC tcggACATGA gcaccaatct a 451

<210> 33452  
<211> 397  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33452

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gaanaacaag aagtctgtaa ttaagaaaca agaaaaaaaaa ttaagaaata cactgagctt 120  
aagagagtcc atcccttgcg atatacaaag tacttgtgag agattaaaac ttcatgttat 180  
attcactctt tgggtgttgg aaagaatctc tggttctatt tcaaaaattt gtttatgaaa 240  
gtcaggagtg gcttagtgat aaaataatac ttaagtgttc ttagatttag gagatatcta 300  
aggattgtgn tagtagtgac ctccacaata ctgtatagtc aaaagtggta gaaaagaata 360  
gtcgttgtaa tcaagttga ttagtagaac cttttac 397

<210> 33453  
<211> 454  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33453

tcttggttct ccaagctcga tttgcgccag ggattcgatc agataagaat ggctgagtct 60  
gacattccaa aaaccgcatt tcgaacacat caggggcatt acgaattcac ctaacaatga 120  
tcccattggta gtcaaactgg agattctaa ctttatagtg tgcatgatct tgattgacca 180  
gaggagctcg accaatattc tctattggtc taccttcaaa aaatttgata ttccaacaag 240  
tcagatcaag ccattctctg aacaactcat aggcttcttg ngagagacaa cttacacaat 300  
gggacatgtc aacttgctaa cgactntcag aaacgagaag tttccaaga ccataatgat 360  
caggtatctc cttagtcaaag cactcatttc ttataatata ttaatttggg gggtgactt 420  
aataaattat gggctattat ttcaactccc tata 454

<210> 33454  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33454

ctattagcga cctatgaata ctcagcttaa ggatttcaaa ttccgtctga caaacaataa 60  
attaggtttt attgttaagta aataacaaat nttagactatt aaacaaaatc aacgaagaaa 120  
actcaaatac ctgaatatcc tcccatatca aatccttctg agcagtaggg acttccttcc 180

aggtgtcata tgcacgtcg accttatacac gagcgacaat ccctaaatat gtttttaatt 240  
tcttcgttg gggaccgtcg gccttgcgg tagcaggatc aacgttgacc acaagtctt 300  
ctgccccagg tggtagtgc gccaatgatc atagccgtgt cgccctgcgt gtccgcttca 360  
acgttagatgg agacgctgat gcgtctgc 388

<210> 33455  
<211> 376  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33455

agcttgtca gatctccagc tccatgtttt ggggtacttc anacagctac acacatttca 60  
tctgtggttg gaaccataaa tccaaagggt tcccaaaccat atttagtag tgatggcgg 120  
gcanaccaat catcattaaa atcaacggan agattagaag acatacaaag gaaaaaaaga 180  
agcaagtgtat agagaaagtt atatggngcg tgcctgacaa aatagaaacg gtgaaataag 240  
tgctntacag atatactcac cttgtacttc caaacacgggt gaaataagtg cttagac 300  
atactcacct tntactttta ngtagatagc tangttgtg taattgttta agtctgagaa 360  
tttgatagga atatat 376

<210> 33456  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33456

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aaacataaaa atgttgaac aaaattntgg gctattttca attcaatatt tccttcattc 120  
tttgccttat ccacccctt gtctgttca tacttagatt gaggaggaaa caatcactt 180  
aatctatgga agtgggtggac actangttat gttgattcca gtggttacct acatctacat 240  
gtgcaattct ccaattntgt tcctactaaa aaagaaaaag aaaacagcag aaaaagtgtc 300  
ctgatcatgg aactgaaaaa atgttttnt atcttgcagc tgctagccga taaacaatgg 360  
agatgaatct aatgccttca ctcttcggc ctttccgcg ctcacattt tgtc 414

<210> 33457  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33457

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tatattatga ttataaaata accatgatca taaccataag cataatagtt tacaacaaaa 120  
tgctctctt gaatcaattt aatttagcaac tacacatttc cttagattc tctattttc 180  
tctacattct aactntcacc agtataattt caatgatgtt tctatctcac ttagctactt 240  
caaagaaaat gacttcactc aatttcattc ataaagaaat tgtaaaact cactgtttgt 300  
agcttttaac aagggttgtt cccagagtac agaaggctac caaattcaag atatgcaaga 360  
ctacgataat tatatccatt tgaactcgat aaagaattca gaaatatctt ctcaaattct 420  
ttatcattga ggattcagag tacattaagt tt 452

<210> 33458  
<211> 436  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33458

atactcagct tctgatattt aatcaagatg gattcacggg agtttgcataacttagat 60  
gatgacaaan agcccaagag aatgagttca agattgaatc aagaacactt caagaatcaa 120  
gaggaaattt gattcaaga ttcaagaatc aagttcaag aatcaagaat aatcaagtt 180  
aagattcaag aatcaagaaa agactcaatc aagataagta ctaaaaagtt tttcaaaac 240  
attgagtagc acatgaatnt tccacanaac cttttaccaa agagtttta ctctctggta 300  
atcgattacc agtttattgt aatcgattac cagtagcaaa gattgtttc aaaaagctt 360  
caactgaatt tacaacgttc caattgattt caaattgggtg taatcgatta caatgattt 420  
gtaatcgatt accagt 436

<210> 33459  
<211> 398  
<212> DNA

Glycine max

<213> Glycine max  
<400> 33459

agccttgact tgagtcatca agtgattata aatatgtgac catggcatga gtttcaacta 60  
acaatcaatc atcaatcatc tttgaatcat ctatcttca atcttacaa catcatctct 120  
caacatctt caatcaatct ttcaatatct tttctataga attttcta at tcatttctct 180  
tcatcttct aaaagtttt tatcaacact ttctttcca agataagttc tttgttcaaa 240  
aacttgcattt attcatctt ttcattctct tctccctttg ccaaagaac gaaagactaa 300  
ctgcttgaat tctttgtgt ttctttctc ctttacaaaa gattcaaagg actaaccgcc 360  
tgagaattct tttgattctt ccctccccct taagcaaa 398

<210> 33460  
<211> 426  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33460

taagagagaa tgtggtttat gcaatgattt acctatgctt aagagataat attagaaagt 60  
ttgaaatggc cactaaaatt tatgcttaag cgagatttat gttaaggta agtggaaattt 120  
catgttgaac acttttattttt atggttttt aatgaattta attgaactta aatgtatggg 180  
gattatgaaa ttgctacaat tggattcttag agctatatgt taggaaattt acatttttaa 240  
ggatttgcattt cgtgtgaaag ttaagattca tagtgtggaa tgcctcacat agcttatgg 300  
actactangt gggttcctaa gtgtattgtt aagaaaaatgg tgaatttata acataaaagg 360  
aacttgcgtt attaaagttt attgaatgtt tacatgcata catgacatttta catgtgggtt 420  
ggcacg 426

<210> 33461  
<211> 385  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33461

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catngctgc ccaagttca tggtcttgc ngtgaatatac ctcataagca tcttaaggag 120  
ttccatattg ttgtttcac catgaagccc ccaaatagtcc aggaagatca tatctttta 180  
aaggctttc ctcattctct agagggagtg gcaaaagatt ggctgttatta ctttgctccc 240  
aggccatatt tcagctggga tgaccttcag agggtgttct tggagaaaatt cttccctgca 300  
tctangacca ctgccatcag aaaagacatt tcangcatca ngcaacttag tggagagaac 360  
ttgtatgagt actngaaag attca 385

<210> 33462  
<211> 392  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33462

taaaaanaata gtcaataaac aacttaagag agaagtagaa atactggtc tataattttt 60  
cactcaaata nagctacgtc cagctctcct ttacataact ataanaggat ccaataatca 120  
aaactttcat tacaactagg tattcttatcc taccactctt ggctataaaa gtattctcta 180  
tgtcactctt gacacaccct tagactcccc ctgaatctaa gaacacttaa gtatggttt 240  
acactgagca actntngatt ntctcaaaca aaagttgaa tgaatacat gattcaacaa 300  
cactcanaga gtggataaat agttaaactc aaatgcaaat aactttgctt agcaaaggat 360  
gaaaagaata agtggtgagt atatcgcca ct 392

<210> 33463  
<211> 397  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33463

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gctactcaca ttcttcctct cgattatcat atccttcatt cttacatcat gagtgaacaa 120  
caacaagatc aatcactcaa tgtacgcagt ccttattact ttcattccggg agaaaatcca 180  
gggatagctn tggtttctcc ggttcttgat tcatccaatt ataattcatg gagttgatct 240  
atgcttattt cattaaggcac gaagaacaaa tatgagtttgcgatggttc tattcgaaga 300

cctgcatcag atcatgaact tcatgttagct gggaaagggtg caataaatatg gtggcttatg 360  
gttggtcatt tagctcttt tcattagaaa aaatact 397

<210> 33464  
<211> 429  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33464

ngataagtaa cctcatcattt actaaattaa gatatcttggc aacaaagata aatcacaaga 60  
tcttttattt ggatgtattt nnnncagggt gaaattgana ggttagaatt agaaagaaca 120  
agaaaaagaa aatggataca aatgaatcat aataccttat cagagaatac atcatgcaac 180  
taaaacacaa gggtaaccata caaggagaaa tcataatttgc ttcccttct tttcattcct 240  
ttttcatgaa tatggtatct ttcattctac tagcttgaca tnaacagttt tttttttttt 300  
ttttcggttc aaacattgct gacacgttat tattcaactt ttaatccccaa caaatttttc 360  
atataactgct agcttgaagc actgagtcag taccaacaat tcattagtga gttgttcaat 420  
gtattaatc 429

<210> 33465  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33465

tatcttatcc ttatggcttg cctccggact tcactccccg tgccactccg aaagatttaa 60  
gccaaaggccc tactttttagg gggcaactcc cgcccttgtga cgactatccc gggcaagacg 120  
atgaggaagg agatacccat ctggcccccc tgctccaccc taatgatccg tccccacatg 180  
aactacccca accgaacata gtccggccata tccggccctc acccacaccc gtaaaaagaat 240  
ctgttccctt cgccggaaagat aatggaaaga tagaggcgct tgaagagagg ttaagagcag 300  
tcgagggcct tggcaattac ccgttctcggt atntaagcgg attatgtctc gtgcccaata 360  
tcgtcattcc tcccaagttc aaagtacc 388

<210> 33466

<211> 358  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33466  
  
tccattgtta aatttcgagc gtctcgatatactatataact ctgaatcgga cctctgaggg 60  
aaaagttatg accatttgaa ttgctcaaga gctntcatag ttcaatttct agcgtctcga 120  
tatattatgc gcctgaatca aacctccgag ttaaaagcta tgaccatng aatntctcga 180  
gagttccgt tggcaattt cgagcgtctc tatatgtgat ggcgcctaaat cggacatccg 240  
aagtaaaagt tataccatt tgaatttctc aagagcttcc gttgtcaatt taagcgtctc 300  
tatattgtatcgccctaaatc ggacatccga gttaaaagtt atgatcattt gatattcq 358

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<210>      33467
<211>      338
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      33467

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taactctatt cattcattca tattcatatt agtaaaaagt aaaaaatcca tcattccctta 120
caataaaaaag cagaaggggta tacaactatc acagaactaa tctactttac ttaaacaacc 180
tcttttgaat cctaactata gaaaatcaaa atcaggacct gatataacaa aaagaaccaa 240
atcaaaaattc cacaggttgt ctaagaacac aactgcaatt agcaatcttc ctacaagctn 300
ggcatattac ttaatacaac caacatcatg ctacatga
                                         338
```

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<210>      33468
<211>      408
<212>      DNA
<213>      Glycine max

<400>      33468

tgttgttaaac ttcccttgaac atgtgttgaa atattcggttc ttactgcgcct gttctgaatc 60
tgtgtgctaa gctatgttcc tttaggtttt gagtgtaaaa atatatgatt atccttatat 120
ttttcttaaaa taggagtttt tttagaaaaaa gttatgaata aaacaagttt tagaacattt 180
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DRAFT  
DNA  
SEQUENCE  
DATABASE

tactagataa aatttgcac gaaaataatc tagcaggaca gttgtatgga ttagttatta 240  
ttacagtttc gacctcaaaa atgagtttat tgagcgtgaa aatgttaaggt agcatataag 300  
atttgcgaaa aaccaattct cgaggacatcg agaggactaa gaataagtta tgagtgagac 360  
ttggtaact gatcgataga gttgatttg agagtagaaa cttacatt 408

<210> 33469  
<211> 355  
<212> DNA  
<213> Glycine max

<400> 33469

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tcacatctta ttatctgatt cttaagtggc catcaaaggc ttatatatat gtgactagag 120  
acacgaattt tataagagtt tttcagaaca ataaggctta atcctctt aaagaaaaat 180  
cgatttatcc tc当地aaat tc当地ggcca aaacactggt gattcaataa ggaatttattt 240  
gagtgctcaa attggtaat ctatcttt taagagagat tacttcttt cttcttcttc 300  
attctgaaaa gggattaaga gaccgatggt ct当地gggt gaaagaattc taaca 355

<210> 33470  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33470

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tggaaatctcc gctgcctgct taacaaatta aaagagaaaat cagtacatgc attacagtat 120  
aaaagaattt tcataatgtc attcaatatc aaattataat atactaacct ctgatgctat 180  
ttataagaaa taagttgtaa tgtacactaa tagattcaga ggttagtatca taaatttata 240  
aattttata ataattatct tacaaatcat actaacccta attttaattt gattgattga 300  
tactgaccat gtaaagggtt ttcatgattt gatccaatca caatatgcaa tanatnggtt 360  
gtcttctatg ataactanta caaaaatcat accaataata atttctaatt gatagaatac 420  
aagtatttat agacacaaca tagaagctt actcaaatt 458

<210> 33471  
<211> 397  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33471

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gcatcttatt cgtgaatttc aagcaacccc cttagataac tcaatataaa agtactattt 120  
gtcaccttat aaatgtgatt gtgagcagcc acaatgctca naagtccctcc tacaaaggaa 180  
tcagctgctc cagttgtgtc aattgcttcc acctcaaaac cagcaaccca tcctttatag 240  
tcctgtgcaa caataaggaa catctatatg attaaacata actaaccat ttggattag 300  
caaatacgatg ggaggaaaca tttgagctcc attntatgc atttaggatt agatattac 360  
actaaaatag tgtaggac tttgccctg tgactga 397

<210> 33472  
<211> 326  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33472

tnctgaacag attgatcagc tgttcatac agtctagtct gattgtctcc ttatcatca 60  
acatcactgg ccctggcatt caaattctca atttccacct gttttcatc ttcattgact 120  
gtctccaatg agattgcttc tgtcgacaaa aatggagtgt gctggtcatt ttctccccca 180  
gaataatcct cataattggc tgcagaacct aatggtcgg aaccatgata attacttctc 240  
aaacatcttc tcattttga tgaacttttca attaaatcta gcttccagaa aacatttat 300  
ataatcaaataat gtttagttaa tcaaataat 326

<210> 33473  
<211> 412  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33473

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ggcctccat tttaatgga gtgggttacc actattggaa aacccgcacg caaatcttca 120  
tagaggctat agatttaaac atttggaaag ccatagaat agggccttat attcccacca 180  
tggttgctag aaataacaaca atagaaaagc atagggaaaga ttggagttag aaagaaaagaa 240  
gactagtaca atataactta aaagccaaaa acataattac atctgccctg ngaatggatg 300  
aataactntan ggtatcaaac tgtaaaagtg aaaatatatg tggatacc tacaagtaac 360  
acatgaaggc acaacagatg ttaaaagatc taggataaac acattaactc at 412

<210> 33474  
<211> 429  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33474

tgtacgcaca tcgttcgct gtatgatatc cactccacaa ggtttgaagt agaggagagc 60  
ttcaacccta taacgcaacg tggcagacaa aagtggcag taaacttcaa tggtcgtcat 120  
tgtcaatgcg gaaggtattc tgcgcttcac tatccatgtt cacacattat tgcagcttgt 180  
ggttacgtga gcatgaacta ctaccaatat atagatgtt tttataaaaa cgagcacatc 240  
ttataagctt actccgcaca atggtggcct ctggaaatg aagcggctat tcctccttct 300  
gatgacgcacat ggacacttat ccctgaccca actacaattc gtgcgaaagg tcggccaaaa 360  
tcaacaagga taagaaatga gatggatngt gtcgaaccat ctgagcacccg aacaaaaatgt 420  
agtagatgt 429

<210> 33475  
<211> 371  
<212> DNA  
<213> Glycine max  
  
<400> 33475

agcttgccctt atagagatcc atgaaagaca aagcggctga aggaaccaat tccgcgtcct 60  
gaatatgaca gccatcattt tatgagcgct gatcaccaac atcgcttcga cgccatcaaa 120  
ggatggtcat tcctccggc acacccgtcc aacttaagga caccagtata ctgacttcca 180  
tgaagagata gtttgcggc tggggcatt tttagttacc cccatggcca cgttcgacac 240  
atacatattc ttccagtcta tgcgcatgct tggctatag acgatggcgt gcgagatatg 300

cgattctggg cgacgcgccca gtggatccct ttctatgcgg atgccctcta ccacgtcctg 360  
gataatccttt a 371

<210> 33476  
<211> 402  
<212> DNA  
<213> Glycine max

<400> 33476

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ccccctattaa tgtaccaaaa ttagactctt cttgttcaaa gaaagtcttg gtcataataca 120  
tcaattttag agttaggtcca cattattgtt atgctactaa actattcaat agtaattcat 180  
taaccaggga aaaaaattat atattcattt atgaattcgg aattaagaag gaactgattg 240  
cactgcaaac ttacaaaggt acaagatatt tgatcaatga tgaaggcttc cacgggtgcac 300  
tctacttgat cgatattggg caaaacgacc atgctgattc atttgccaaa aatctgtcat 360  
atgtgcaagt catcaagaag atcccagtag ttataactga aa 402

<210> 33477  
<211> 531  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33477

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gcgnnttga tcttatcctt acgttacant actcgtaccg agacctctga tcgactgcag 120  
catgcagctt ctatcttata ttgcttatata tagggggaga agtgaataac aatagggttc 180  
acgcaccta agcactatct ctatcctttt gagatagccg acgaaaatta ctctccgtga 240  
acataatcca agctcgagcg cttaccacca ccccccgcac gtttccctgag tcattaggcc 300  
aagatattaa aaagcccctc caaattcattc agctcgaatt gagattctg cggtataaca 360  
cagcctaccc acctttaacc acagctccat aattccatct atgtacacgt ggcggccaca 420  
ttatgtatca tgttcactta ttcccggttcc attcgttata tacccttgt gacggcctat 480  
accactattt aagctatcct cgctatacca aacaaaataa cttcaccgtc c 531

<210> 33478  
<211> 391  
<212> DNA  
<213> Glycine max

<400> 33478

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taaaatttga tatacccccc acattcatca tatattttaa catttattaa attttaaaga 180  
tattgttaacc ttaatcaatc ttaatatgac tatgtcttt aaattataca ctatgataca 240  
tctcattaat aaagaacata gtgcttgatg tatataaatt atttgcatac ttacctttc 300  
aattctaaaaa gtgtggtgtc tttgatctat tcataattac tataatacca tacaatattt 360  
acgattaata atcaaaaacat ctatgattaa t 391

<210> 33479  
<211> 365  
<212> DNA  
<213> Glycine max

<400> 33479

gatccaaact ccagaccaggc acacataccc gctgctattt ctccgctatg aatataccat 60  
ctgtgataga gcgggaagaa cctatgccat tgtccatgca ttatcgctgc ccccccgcgaa 120  
gcagcagcgc acttctactc atatcgatgc ctcaactcgc ctctcctgat gatccttgaa 180  
aagaatcggc atggcaagcg aagaccaaca tctacataca caatgcacaa tgacttgcg 240  
aacatcaagc taccattgtc cataatctat cctgtgttaag gacggaaatg ctcgcaccca 300  
ttgtccttat cagttatatt acctaaccctt tcaacacaac cgaagctatt tcgagacgca 360  
aaccg 365

<210> 33480  
<211> 360  
<212> DNA  
<213> Glycine max

<400> 33480

agcttgccctc ccagctcgcc caggcgagca gggttgcttc ctccagaaggc aacagccttc 60

tggaggaatc ttctggaggg cccaagtggg cctgggtgct atttgcaccc ctattttac 120  
taagtacacc ccctgcctt tctggtgatt cttttcgta aagttacgaa aacttacgaa 180  
tttcgtaacg atacttgttc tcttccgca atgttaccga accttgcga ttacataatc 240  
atccccatctt ttgacttacc gaatgttacg gaacctcaact aatttgcaa cgatgcttc 300  
atttgatttc cggtgtgtca cggaacctta cggattgtgc atcaatatct tctttgtct 360

<210> 33481  
<211> 389  
<212> DNA  
<213> Glycine max

<400> 33481  
  
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agtacgttag ctcagttgaa tgtggcaac tagggatggt ggatttatgt gtgatttgc 120  
gatgtggatc ctgacttgca ccattaccca atgccaccta ataccacata tgactgtac 180  
cccataatcc tacaagctt aagtgagaaa gtgtgaaaga gtcagtcttc ctactttat 240  
tcgttggcaa cagagtggta cctgtagata tgtcgatgg gtcatgacac cttgtggacg 300  
tcacgtgggg tgctattgcc caataccaaa cttgaccaat ctcgacccaa cccgggcata 360  
gtcagtcaat gagaacctgt gatgtacct 389

<210> 33482  
<211> 216  
<212> DNA  
<213> Glycine max

<400> 33482  
  
atcttctgta ttcaatttcg agcgtctcaa tatattacgg gactcaatca gacatccgac 60  
taaaaaagtta ttgtcgatg aattagctcg gaggttcaca attcaatttc caacgctta 120  
atataattacg ctctcactca gacatccgag caaaagttat tgtcgatgg attatctcg 180  
agcttcacaa ttcaatttcg atcgtctcga tatatt 216

<210> 33483  
<211> 286  
<212> DNA  
<213> Glycine max

<400> 33483

agcttcggta gaaagtatg aggtacaaggc cctaattggca gagcttgaaa gagcccgccc 60  
agtctatgag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120  
ggacgtccta tggccacaggc tgaaggcttg aacgagaaac caagaaggct cgaaagggaa 180  
aacacgacct aagcaaagtt tttagggct ttatagggca tcaatagtga gctcaagctc 240  
cgaagatgtg aatggaatca tcacgggtca caggcctgat cttgaa 286

<210> 33484  
<211> 394  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33484

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cattcaagct caaagtggtc aactagggaa aaacttatca aaggattcac aagtcttaag 120  
aaagcctatc aaggtctccc ttttcacaaa attcacaatt attcaaggat atgtatgtca 180  
aaacagagaa tagaataactg ctattgaaag gatcaattct cacacaataa gagaatcaag 240  
gctcanaact cacctatctg agggtaactc taagaatagt tcacaatcat gcatgctaat 300  
gtccccctccc gaagaaactc caattaccca ataaacacat tactttgtt atcaataaaaa 360  
ttctaaaccc aagacatttt cacagtacta gaac 394

<210> 33485  
<211> 383  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33485

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cctataggtg aaggagacat cctcaccact tgtatTTTca tcttggttctt 120  
ctcttttttg taaagcgcgc ttcctggta tgaaaagcta aatcctatgt tggatcttct 180  
ctataggtac ttgatgtaaa tatctttta tctatttaat gatgttctgt gtgttctcta 240  
tgctatctgc ttttcattct agtatgcctc taccttgatc acatagatgc atgcttgg 300

anggtcattt cacagtggaa actggctgta ttcttatgac cttgatacga cacggctaaa 360  
ttgttgact atcacgagga atc 383

<210> 33486  
<211> 390  
<212> DNA  
<213> Glycine max

<400> 33486

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taaaatgatg caagacaagg aaagatctca cctccgaact gttgttagggc tcggccaagt 180  
cttgatagca tccactttt tttgatcaac ggatactcca tctttagaca ccacatatcc 240  
aagacacacc acactttcaa ccaagaaaatc acacttttc ctctctccat agagttttg 300  
tgctcttatg gtctcaaata tttgttcaa atgagtgaaa tgcccctcta tagatttgct 360  
atacaccat gtgtcatcaa gataaacaac 390

<210> 33487  
<211> 376  
<212> DNA  
<213> Glycine max

<400> 33487

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tcttagagat tgattcaatg aacttcacga tctattgcct gtataaggca acccttgcct 120  
ctacaacctt gacttcaggt cgtctacaag gtgcttcgag gctgatacgg ctctatgcc 180  
tctagccgaa tatatatctc attctcaatg agaaccattc tggtttgcag tgaagaaatg 240  
ctgccttcaa catgcctatg gtcataatgg ccttaaacct tggaagtgtt gctgtcctgt 300  
ctgctactcc acattaagtg atggctgac gcgttctact aaacgaaaga ttaatgcttc 360  
tctctttgac tgcact 376

<210> 33488  
<211> 326  
<212> DNA  
<213> Glycine max

<400> 33488

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gatgccctac attatttcca tgacacatat gcaaaaatga cgatttgaa attttatgca 120  
aaattggttt ctctgcacct atgctgacac tttagtgc当地 attttatgg tcatgtgatg 180  
ctaaggctca agatttattt cctctatccc agtcaaccac acgttccaa aatatgttct 240  
tttatcaatt tgagcattaa tccgagatca tttggcggtt tggaaatata ttcacagcat 300  
ttaaccttta tgagtattac acattt 326

<210> 33489.  
<211> 332  
<212> DNA  
<213> Glycine max

<400> 33489

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tcgagcttaa tgccagcctg ctgcgtttaa cgccgtgatg aaaccctatac agcgcgctt 120  
gctcacatgt tgcgctaagc gcccagtcaa aatttcagtt tattttctg tttgtgaaaa 180  
taacctgtgt gaatctcttg ttttttttcc acatttcgca gatggcatcc cacaaggaa 240  
aatctctctc tacacctacc caagtcagat ttgataggc catattaca tctctacaag 300  
cttggagac atacactgac attgtggtgc ct 332

<210> 33490  
<211> 404  
<212> DNA  
<213> Glycine max

<400> 33490

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acccggcaca gcagctgacc ttaaaattga gactaaaagt tgcagcaaag gatgcttcaa 180  
aggttgatcg aaattcacgc aatcacagca aaaatatcct tgaaaaata agaacgtatg 240  
tttggattat aaaggagagg aaggttacca gagagaggag aagataaaatg gaaaggaggc 300  
taatcgattt gagtatgtat cgtcatggc cacaacttaa taaaagaaga aatgggttgg 360

ctatgtcaaa atagaaatgg tctgttagtc cattttaccc tgac

404

<210> 33491  
<211> 493  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33491

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cgtcnccgga tccttagagt cactgcagca tgcaatcttgg tatttatac ctctccttcc 120  
tgatggatag agcatgagac caagcatgat aaagattatc ccgctccata agtttctgaa 180  
catctaaact gtggcacatg atgagaatgc actgtatgac cccgatcacc ctcttagcgt 240  
caaaccatga agatattcaa tcacttctgt gagcttgagg cgtttgcctt gatccataca 300  
attcttgaca gccttgagct cgttaatttc tagtcctgta agagcattta tcatgcacaa 360  
tatatcccac catcctgtga caaatgctct gctccgaagg ggacacaaac acaagtccaa 420  
ttcctttaaa ggatgttaca tgctctcaat caatggaaac attcctgatg caatcccccg 480  
cttattcatta tgc 493

<210> 33492  
<211> 356  
<212> DNA  
<213> Glycine max

<400> 33492

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agtttgcag attgatcgtg aacgaatgca ttatccataa accggtgaga gtgtgatcct 120  
tatcctcgac agaaacgact atcatcagta ctgatttgcg catgaatctc tgaagtatgg 180  
actgaatgct tgatattaat aatgatgaag gccatgttcg attgtgatag gcacttaccc 240  
aaaaagctaa ccatgtgctt aatgattta tcccttgaac ccaatttga gttgattgat 300  
tgactgattt attgaaactt gaggctatac aatcttaatt cttgcttcct tgtctt 356

<210> 33493  
<211> 397  
<212> DNA  
<213> Glycine max

<400> 33493

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cctttaaaat cccatgccag aatgcaagtt taacatttaa ctggtccaag tgaagattct 120  
cgctactatg ctaaaataac tctgatggta gtatTTTAC aactggaaag aagatctctg 180  
tgaaatcaaa tccttggtc ttgtgaaacc ctTCaccac aagtctcacc ttgtatcttc 240  
ttctaccgtc agaatCTTTC tttagcctat agacCCACCT aatctgtaac gcgttcttcc 300  
ttcttgcaat ttagttaaag acacgtctat tcttctaaag gatgcacatctc atcttcatcg 360  
tagctccact catagtgtca tccctgtgta cctactg 397

<210> 33494  
<211> 406  
<212> DNA  
<213> Glycine max

<400> 33494

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ctaaaccata ctTCCCCGAC ttccTTGGC atttatcaac tagttatGCC gCGTTGTCT 180  
ttgcctaaac ccattccggg ttcgtaaccg ttccccaaaca taacacgggc catcattact 240  
gctgcacTGG acaggcaagc ttGCCAGAG aaggagtccA CGGAGGAAAT gCTTACCAACC 300  
tcaaaagact ggaaagcggt ttctaAtgac tcctctgcgg ctTCCACATA aggcataaag 360  
gatgggcagc tcaccaagat gtcttcttcg cctgatacga tgacca 406

<210> 33495  
<211> 411  
<212> DNA  
<213> Glycine max

<400> 33495

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cggtgtaaGA aaacaaAGAC ttcaGAAACG cgtgaACTCT ttCGCGGTTT CCAAGAAACC 120  
agaacatCCA ccgtAACTCC agaacaAAAC aacaaacaat AAAACCCAG AAAAGACAAT 180  
tcataatttc atattccGCC aaatgacCTC atccatataat tatattaata cgcaCTCATT 240

aacaccaaaa cgaaaaataa cactacgaga actcatagaa tagaacaatg aacaaaacat 300  
taaaaactaaa agtttgatgt atatgcactc tccattctgc tgccgcggtg tctccgaatt 360  
aaattaatta attttaata tcattgtcat catagttagg ggtggaccta t 411

<210> 33496  
<211> 328  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33496

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cacttttcc attnttcttc aaggctttt ctccacttc ttgcctcaat ttcccttcaa 120  
aacacttaaa ttttccctc ttgacttcta ctgatcaaaa taacaaaaat attaatttct 180  
tcattatttc attaaaaata ataatcaagt caagaaatta tactcatttta ttagtcagaa 240  
tagactatta aatTAactca tattcacag ttatcaacaa caattgatta attaaataaa 300  
aagccaccat tgagtgcata gatcaatt 328

<210> 33497  
<211> 420  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33497

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atttacctca ccctctatga aacgatgacc actgtcccaa tcttagtggtt acctaattccg 120  
aatgaaactt tcgtcgtgtt ttcccatgcc tccacgatgg gtatcgaggt gtgcttatgc 180  
aaaggggaca tgtagcggcc tatgcttgtc gaccgcttaa catacatgac aggaatcatc 240  
ctacacacta tctttagcag cagactgtat ctttgatctt atacttcgga ggcattacct 300  
ttatggatct cactgttagag cgttactgac cataacagcc tgagatattt gtntgatcta 360  
aaagaactta acattacgca cacgcaatgg ttacagttcc ctaaagatta cgactttccg 420

<210> 33498  
<211> 202

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33498

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cctcatccaa tatctacaac gcggnccttt tatgttagctt attcnnttgg ggactttcaa 120  
ttaacacaca cagtggccac cccgacgaga tcctgcgagc cttctggag gaaggaaacc 180  
atatcttttc tggggatctt at 202

<210> 33499  
<211> 306  
<212> DNA  
<213> Glycine max

<400> 33499

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ggtttacttt gatgggctaa ctcaaaaatg atgggacaag tctcgatata caacttggat 120  
aggagggatc cctcgctttt gtgcggccca tatgattttt taaaaaaatc tatgtgaatg 180  
ctattatgtg ctcaatctta agtttgctac tatgcattt ttaacagctt ttattgcttt 240  
tcaaaaaat aaatacatat atattattat tgtcagctca tgttattaac tcaattcctt 300  
tggtag 306

<210> 33500  
<211> 310  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33500

agttctctt tccgttctcc aaattccacc gaatccaggg atcataactcc atagttcaaa 60  
gaatataaaa ttcatggccc agacaaaaat cttccgttct tcttgcatt caaagcacaa 120  
tagataataa acccacacac cccataacctt ctccctttt cttttctttt attttatgtt 180  
tattgtgaga gaaagaaaata aagccgagcg ttgagaatcc cgtctctgtc aacttnacag 240  
gtccaataat ttcgattcag ccattcctgt tccttctctt ttcttcttcc tcggctcctc 300  
acttcttctc 310

<210> 33501  
<211> 404  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33501

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caaagtactc aaaatagatc gtgaccaaga atacctcgct tgtacaatt tcttgagca 120  
acctggattc aaaatcaact aaccaccaat acacacctca atagaatgga gttgtgaaa 180  
ggaagaacaa aacaatcatg gacatggta ggtgcattgt gaatgccaaa caaatgccta 240  
aggagtttg ggtgaaagca attgctaccg ctgtctacat tttgagtagg tgcccaacan 300  
aaagtgtgtg tgataagaca ccagagtaag cctggaatgg aaggagacca tcaatcagac 360  
acctcagatt tttgggtgc atatcataca cacatgttc aaac 404

<210> 33502  
<211> 510  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33502

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cggtcgacatn gagctccgca cgagtggatc ctcttagatg catgagcatg tcttcatgct 120  
ccaattatat aaacggcgca ctgcgtatgtt ttagaggact gctgtgtaca aatgactaca 180  
atttctatct cagaatatgc tcacagcgac atatagatgtt aaacccgggtg tgtatacccg 240  
cgaccgaacc acacttaaag ctttgagtc attgtccgtt tattatacaa gagacccggc 300  
atgccatttt gatcctttaa atgtactacg cgaacccctt gcagatcctc gagcaagagg 360  
aacagttctc acgatttaca cacaatcatc ccaatcacgc tagatgtgc gtacatacac 420  
atgatctcgatccgactcct gcattaagg attgatgtcg atctttataa aagttgcaca 480  
cctctcgctt ctctctctac ttttaccccg 510

<210> 33503  
<211> 390

<212> DNA  
<213> Glycine max  
  
<400> 33503  
  
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cctttggtga agctcactac acccctctta gcgaataact ctgacatcta cttatcccc 120  
ccgcacccccc gagctctgac acagcctggg taaaagtggg gcggttacag cctccttgga 180  
taacatgtaa tgccgtgccc gctacatgat ctattccgac cttactgca tgaataccgc 240  
atatcggcac actgtcgccc atgcaaaatc ttagtgcgtc tctcaccggc ttctcacgat 300  
gtacaactcc acgcaacgtc ccccatattca ccgaaatgca ccacactgga cgaataaccac 360  
ctgactgaca cataatcgag agattctgcg 390

<210> 33504  
<211> 366  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33504  
  
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tgtgactagg aacacacccccc cgctgacagt ctttttaaga acacaaatgt attatttctc 180  
ttataaaagaa aaatcttctt atcctcttaa aaattccatg gccaaatacac tngcaattca 240  
ataacgaatt tttgagtgc tcaattgctc aatctatctc tttcaagaga gaattcttct 300  
cctcttcatc ttacttctaa aaagggatta agagaccgac ggtctcttata tgtatagaaa 360  
tctgaa 366

<210> 33505  
<211> 372  
<212> DNA  
<213> Glycine max  
  
<400> 33505  
  
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gaacgcataa attatttttt gagaagata acgcgcatac tgttaagagt aattaaacac 120

tctgtgtagt gtgaagctcc tccaaatctat catcttatct aaattgagac gtattgaaat 180  
tttggatt cttaacaaca ttaccataaa agtcatatct aacataattt ctgattgggt 240  
aacccgcatga gcatatacga atcataactct tgctattgggt taatcttaac ttataccaga 300  
aagtcgattc atcttatctt attctttct tttcagtggt cgttcacgag cttatccgaa 360  
tcggactttg tc 372

<210> 33506  
<211> 504  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33506

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aacactgaac ctctgattcg acttgcgggt catgtggccc aaaacatctt acgaagggggg 180  
gttgaatcaa tcataattgca tactattccc ttaatgaaaa tcttatttta atttccccag 240  
cactctgcac gtccctataa aaaactctta catgattgat ttcaaagaac aaactgaata 300  
tatacatcac gctatagtaa attgaccacg ttaatgtcat gaaaagtgcc tacttgtata 360  
tatactggtc tgtcacacccc ttgtgccacc ttcatgcccc agtcaacctt tagcaagtct 420  
attagttgc aaatccttta caatgttcga cacacaagcg caatcctact ttgtctccga 480  
tgtcttataa caagagaccc tagc 504

<210> 33507  
<211> 562  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33507

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tcacaccctc gataacaccc gcgcgagggtt gatttgatgc gtggccatca cggccaatng 120  
acatggaccc gggactgtt agtcaactgc agcagcaact tcaatttatt tttcatctcg 180  
aacaacacaa caaacaggtc acctcttata tacggccat aacaaatccg cgccagctat 240

aataacctcg cacaccgcgc tgagaaaaact aatctactgt acgcgcccccc gcaccccata 300  
ctttgcacaa actataatgc aacttgcaaa agtgcaggtg ctgttcgatc tctaccaaac 360  
gcaatgtctc ccagtatatc atacccgaca tgtaccctca acgtcaacac cactgccatc 420  
tgtcacaact gtcaatgcac atgctccgtc acacaacata aaacgcacat catacataga 480  
ttacataatc gcacctccaa aggtagccg acacgtcaat cacatagcca aagtgactct 540  
ccaaactgcaa attcgacga cg 562

<210> 33508  
<211> 330  
<212> DNA  
<213> Glycine max

<400> 33508

catcgcttgc gtgttatgata tccactcgac aaggttcgaa gtagaggaga ccttcaatcc 60  
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cgcacggat tctgcacttc atatacatgt tcacacatta ttgcagttt cggtacgtg 180  
agcctgaact actaccaata tatagatgtt gttacacgaa tgagaacatc cttaaagcat 240  
acttcggaca tgggtggcct cttgagaatg aagcggcaat tccttcttct gatgacgcat 300  
ggacactaat ccctgaccca actacaattc 330

<210> 33509  
<211> 344  
<212> DNA  
<213> Glycine max

<400> 33509

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aagttttatg gcaacaaatc aagaagattc atgtatcaaga gaagtttgc ttcaagattc 180  
aagagaagat gaattcaaga ttttagagaa gaaatcaaga agactctcca agggaaagtat 240  
tgaaaagatt tctcatataa ctaacatagc acgttattgt tgttcacaag aggtttctca 300  
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<210> 33510

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<211>      215
<212>      DNA
<213>      Glycine max

<400>      33510
                        ...
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actaatcttgcgtacccctt atacgccttg ttgacgtgct taaccatttg cacttaagat 120
cttttagctc actctgaatt agaatactgt cttgcgtgag tgatgtatcg aataatccat 180
taactacgga taaaataaaat tcctaccact tagtg 215

<210>      33511
<211>      321
<212>      DNA
<213>      Glycine max

<400>      33511
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atgaaactgg tcccttcgac attacaattt gggatgatct tttaaattga aattaccccg 120
actattcatg gtacttgcca acaatactta tgaaaactat gcaacgttct cattcctatc 180
tacagcaaaa ttaggtata actaatctca ttttcaatgc cctttttct atggaatcat 240
cttataacca ctatatatctt ttttgcgtacatcttca aaaatcttatt cttccttatt 300
actcatattc ttctcctcgga a 321

<210>      33512
<211>      392
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      33512

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agaactgaag gtgattttgt ctcttattct gctgaagttt cacttctctc tctcattaa 120
gtacacccat tcacctgcct tccgtntgtt atagaacctg gccagtgagt tgttctttag 180
atgacaagaa tttaagcaac aatgtAACAG atgaatgatg aaaacatgca ggtatggaa 240
tggttgatagtcataaga catcatttct ctagctgatg aatgctaata agttgtttt 300
ttatccaaat tagataataa tattttttt ttatgaaagg aagatattct tatacttcga 360

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agttatgaga cgaagatgat caaaatctat ca

392

<210> 33513  
<211> 130  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33513

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attcaaagat tggatctctt gtttagttgtt attaatgaat agcttataaca cttgtgcttg 120  
agtgaaaacag 130

<210> 33514  
<211> 406  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33514

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caattatgct tgcacccctt ttgcttccga gactaactat ttgattgtat gttctttgt 180  
tactaaactt ttgatttttg accggaactg catgaggcat gaaagttca aagtggttca 240  
accacagtaa aataggatgg tcagttatn tctgggttct atgacaagtt ttagatctgt 300  
cttgattact ggaccattgg atgagcaccc ttgtgggttt gaacaactag cttcattctt 360  
ctggatgtgg ttatgagctt tcgatgctag tggatcttat atatca 406

<210> 33515  
<211> 224  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33515

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tcagtcatt ttctcgatgc atagaaccat tgacgttcaa ctcagttact tgaaggcgtc 120

ccattataacc ttntaccatc cccattaaca cctctgtgta ttgtctgcct ctataaatct 180  
tccccaaact actttgcag cttcttccat ataaaatgcc actt 224

<210> 33516  
<211> 159  
<212> DNA  
<213> Glycine max

<400> 33516  
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cgaagcttac gaagcattgg atatatatcc ctttgtgaa 159

<210> 33517  
<211> 321  
<212> DNA  
<213> Glycine max

<400> 33517  
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tttctcaagg tccacttggc ccccatttct accaactaca aaccctaaga acactatctt 120  
atctacaccc acagtacaca ctctatattt gcatacaggg tttcttcct aatgactgaa 180  
agaacttgcc tgagatgtcc taagtatca tctaagctgc tattgtacac taaaatatca 240  
tcaaaataca caactacaaa tctacctatg aaatcactta tgacatgatg cataaagctc 300  
atacatgagc tctgtgcatt a 321

<210> 33518  
<211> 376  
<212> DNA  
<213> Glycine max

<400> 33518  
atttggatt atatatgttt gcggtataa acagaagagg gtgatataatt ggtggataaa 60  
gcaccctgca ccctagaatt tggcacttt tgcctatctg attaaatgc tagatcctc 120  
tctgttatgc cccctcatta tctggagaag atcatctggc atggatttc atagcgagtc 180  
agcaatcatc cgtgcactat ttatgttagc atgaagagtt atgaactgct ctactgcacg 240

ctgtgggtta tggccttac cataattact tagctctgca tatacactgc caaacacatc 300  
atataatacg attgacaaac actctttat gctgtatcg acgacggtga cacattataa 360  
tgcctatcca tccata 376

<210> 33519  
<211> 265  
<212> DNA  
<213> Glycine max

<400> 33519  
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ggttgtaaa aaatatataa attacactat aaagatatct atgcaaaacc atcacaactc 120  
agacgtgtaa ctccctacccc aaacttacaa ataccta at ccaactcac tatagatttc 180  
tataatcttc tattgcttga tgaaggcaag tgctaaattc aggattgatg ctgcgttaatt 240  
tctgcttc aagctctccc tgtga 265

<210> 33520  
<211> 221  
<212> DNA  
<213> Glycine max

<400> 33520  
atctgcggct tgcaatctta atttgtatgt caggcaatag tcatttcct gagaacaagt 60  
gtatggcgt attgcaatgt ttggttgtt aacttaatcg tgcattatgg ttgtgggtat 120  
ttttgctgg tggaaatttc cccattaatt taccatgatg tctaactctt tggAACAAAG 180  
ttacagaagc atgtgctgtg tgaaatgtac catttgatt t 221

<210> 33521  
<211> 366  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33521  
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atatcatcat cttggtaag ttcaatacca tttcaatat gcatgagata tctcgaaac 120  
ttatctccccg caatgatcgc tgtttctcg aataacgatc ttttgatag ctcattgaacg 180

agacttaaca atacatgcac aaatcatttgcgtcccttacgcatttcttga caataaacatg 240  
tactcgacaa aaattccctt ctaataccat cactgtccct ccacatggaa catcacaatc 300  
taaaaatatcc ttttatgaact atccactgct cacaaggata tctatatgtc atgagtgtgc 360  
catccc 366

<210> 33522  
<211> 400  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33522

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aacttgggt cctgtcttca tgatcttaa gttaatgtg ctaagtgtt tcaagttgg 120  
tctttggcaa gtgtcacaaa gatattcatg acccgtaatt aatagggaaag attcaacacc 180  
tataggatataa gaagaaactt ttagcgtatt gctaaattgc tgatttctta atatgtgaa 240  
agactaactc aatgtatgtct actccaatat caatgtatata gagtcttggg aaattgaggg 300  
ttttgctta ctaaaattca aatactgaaa gtnttatttc cttaatatct tggttctata 360  
aagattgcaa taaaacaagaa gaacagagac actcatcttc 400

<210> 33523  
<211> 318  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33523

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catgattttc atccatggag gtgccgctga tgattaagga gaagaggtga taggaggcgt 120  
catccactag agaataacccc tggcacgaga agttcacac caagaaagtg tcttggatta 180  
aaagcttaca gaggaagcga atcacacaga gaggcggggc gtgggaattt aacgaaatca 240  
tggagacaag atgaactctg aagtgtgtct cacatgttct acattcatct acattatgac 300  
aagtgttaca catgtttc 318

<210> 33524  
<211> 402  
<212> DNA  
<213> Glycine max

<400> 33524

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ggtctcgaca tagattcata gtgtgcata aggtttctta actcatgatc atccagtatc 120  
tgatttgcgc ccccacccat gtagttcca gagtaagagt aactacaata gccatcacag 180  
caagcttat aactggttgg aacaaagttc tacacggaa tcgtgcattgc ctcacccagg 240  
ccggctgcag gctggcttat ccaccaagaa ctgcattgt ccatggacct aaaggttcat 300  
ctttgtgagg tctcgaccga atatcgttgg ggacagtcac accgtacaca aacatcatgt 360  
gcgctatggg agactgactg gaatggaatg aatgacaata cg 402

<210> 33525  
<211> 386  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33525

ggctctactc tttcagaac ttgcatttc gtagcagttg ccaacacaga aggtagataa 60  
ctcatgaacc tcgaatctgc aatgttggaa aacaaaacga aaagcaaatt aaaatctaaa 120  
aacaatatta tgaataagaa aactgacttg catgaaagat gtaacaaaaa tacctccat 180  
gagggagaga agaacgcctt cagacttagt gaggaactcc cagaagagat gatcctcaa 240  
tccaagtctt ctgtgaagt aatcaagaaa agagagagag gttggagggt tcattttcca 300  
tccaagagtg ganaggatca aaatctccat cttntaattc gtctggctt cgaacaagta 360  
tctactcttc ttacacctaca caattc 386

<210> 33526  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33526

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gccaacaaaa acctgtccaa agagaaaaag tatttatatg ggatccaagt taaaaggat 120  
tcaatccaaa ccgaacggaa tatagtatnt ttatgggatc caagttaaaa ggcattagat 180  
gttaatttgt aattcttatt tcttagttgt tataagttga tcaaaaataa attttatat 240  
tatttcttag gtggatatgt tgtaatccaa gttatactat ttttatatta ttccattctt 300  
taagaattat gaagacagac aaataatatt tatctatctt tcacaaaaaa aaaacaaaaac 360  
actgggttat cacatctgac ataatggcca ctacaatgtt ct 402

<210> 33527  
<211> 406  
<212> DNA  
<213> Glycine max

<400> 33527  
  
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agacaagtgt gttacttaca taatcatcga cagtatatgc atttatcaag ccttgggtggc 120  
ggatgcatta aatacagttt gtttagcaatc gctcttctac ttaattttaga ttcttaatca 180  
atgtcttaaa atactagttt gcattttact tatcttaagc tatagtatat agcctcggtcc 240  
tcattaataa ttggcagtag taaagcagta aatttacctg gagagtataa tggtaaaagg 300  
aaggggagaaa acgcacatctt cagttactcat tatacattca tgtgaacaaa attaatggaa 360  
tggttgatatacagca tggttcaact tcaatgcaaa taaccc 406

<210> 33528  
<211> 405  
<212> DNA  
<213> Glycine max

<400> 33528  
  
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gctctattcc tggattactt tgatatctct caagcattcc aaccacaaaa gcaatgttag 120  
gtcttgcata caccgcgcata acataaagct tccttaatga aatgatatgg aatgttcctc 180  
atctgtccc tttcaagctc attttaaga cattgattca tattgaatct atcacctctc 240  
acaataggttgc ccatgtttgc tgaacaatct ttaatccgat atctttctag aactttatca 300  
atataggcctt cttgagacaa gccaaagaatc ctttgagatc gttttctatg gatctctatg 360

ccaatgacat atgctgcctc tcccatatca ttcatatcaa aattc

405

<210> 33529  
<211> 334  
<212> DNA  
<213> Glycine max

<400> 33529

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aggtaactat actttgaact tatcttaatt tattgatgct attatgaaaa ttatataaggc 120  
aactagatgt cccgactagt aacaagagaa tatgcaactt gcaggggact taatattgaa 180  
ttttggtgtc attatgtacc cctgttgtt tccaccattg gattatgcat tgagattac 240  
gtaatactat tttatTTCT attttgaata ttgcgatttc tccttgttat ttatctggtt 300  
ttcctaccaa ttttcttact tgttcatcta ttat 334

<210> 33530  
<211> 386  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33530

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gtgtgccatc gtagtttag aatcatagtg aagaaaaattt agcaccaaaa cgatctctca 120  
gcaaactatt gaaagatcaa actttaggaa caaaatgctt ttgtggatatt aagaaggcta 180  
aaacgtttac atgatccaag gtctgctata gattcacagc agcaagttga aacctccagt 240  
ctctacctaa tgtaagtccct gctctgttcc agttctcaat ttgtcccttc aatgactatt 300  
gttgatgcta tcatactcac tttccgtttt cctcatantt aatggtaac attcggcata 360  
ttatgaataa ctttctttaa tccttc 386

<210> 33531  
<211> 235  
<212> DNA  
<213> Glycine max

<400> 33531

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gctttctggg gtgtatgtaaa gcgttaaagg tttcacctat ggccttatgg ggtatactgt 120  
ctggtcttcg aaccctcctc tcacgtcaaa gagccgacaa aatattaatt aaaatacata 180  
gacgatctta tgcgacacca tgccattagt ttatgtAAC tttacattct atgac 235

<210> 33532  
<211> 323  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33532

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caatggccgt aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120  
tcccttcaaa ggtagaagtg atccagatgc ctacctgnac tggaaatga agactgagca 180  
cgtatttgcc tgcaatgact acactgatgc gcagaaagtc aagctagcag cagctgaatt 240  
ctccgactat gcccttgaaa ggtggcataa ataccanaga gaaatgttga gagaggaacn 300  
gcgagaggtt gatacatggc ctg 323

<210> 33533  
<211> 428  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33533

ntgagcaaat tcaaacgaca ataactntng aatcggttt tcgattttgt ctcatagaat 60  
atcgagacac tcgtaattga aaacggaagt tctgagaaaa atcaaacgac aataagttt 120  
aactcggtat tcctattgag ccctgtata tatcgagacg ctatgttggaaaacggaaag 180  
ctttgacaaa aatcaaacgaa taataatttt taactcggtat gtccgattga gtcccgtaat 240  
atatcgagac gtcataatt gaaaactgaa gctcttagca aattcaaacg actataaattt 300  
ctgactcgaa tgtccgactg tgtccgtac gatatacgaa tgctcgtaat tgacaacaga 360  
aactctgaga aacatcaaac gacaataact tttaacttgg atgtccgatt gacccttaa 420  
tatatcgaa 428

<210> 33534  
<211> 435  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33534

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acaaaactcta tcttctaatac gatcactcac ttaattcccc cccttggttt tttagttta 120  
aacttcactt gaagttaagt tatttaatta tatgagttct tgattcagtc ccaattttt 180  
ctcccccggg gcatcaacaa aaaggccaaag tgcgataga gacattaaat catacacaaaa 240  
ctcataatca tncaaggcatt ttaatccata caacaagcaa ggaggacaat aattcataca 300  
taaactaaggc aggaaagata taattcatcc attaactata ataaaatgtc agaataatag 360  
aaagtcatcc cagataacca nnattaaaca acctaattag aaagtaatat actaataagt 420  
gtatcaaata agtca 435

<210> 33535  
<211> 420  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33535

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ttctcttgag ctaatgtcta atgctcatgg tcgttggagc atttaatgtc tacattaaat 120  
gcatgtattt tttcatgttg aaacaccatt ctgggtgact gttgtgtga gcactatagt 180  
aaaaaccact tcctttgact aaaggacaat atcacaagaa ggggtcttga attgcgattc 240  
tatatatcttgg ttttttaaa tcctttcac actcaaacca agttttcctc cgaaagaaaa 300  
actttgtaaa atagataaca aatttcaaa aacacaatca aatgatgaaa gatgattntg 360  
ccaagcccaa gatatnttca aatgtataaa tgagaattca aacccttagt caattaaagc 420

<210> 33536  
<211> 438  
<212> DNA  
<213> Glycine max

<400> 33536

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tcgagccca gggctacca cgtggcatgt tttaggtgg gtttgtgaaa gctagtaagg 120  
tggcccaag aggatccctt gtctgagttt gagaaggaa attctacgaa agggagttcg 180  
ccatggatt gtctgtcata atgacaaaga ggtgaatggaa atgagaggag gaaaaaatgt 240  
aagaggtgtt taaaatgttt caagacatgt attctgtaga gatagggggaa gcaatatgaa 300  
cactaagctt tggagcttga agtagtatta tctatctaca tgcctaactc tatgcgtgg 360  
attcgtatag attgggtgcatttcattctat atgcataatca tgcatatca 420  
tgtacacgca ggaacatt 438

<210> 33537  
<211> 461  
<212> DNA  
<213> Glycine max

<400> 33537

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gcttaacgca ttctattcag gatgcacgc ttagcaccta ttgcgcgctc aacacacgtg 120  
acaactctcg agcttaacgc ctctcttagc gcttgcgcct tcctgaccccg cttagtgcatt 180  
gttgcgtgct aagcgcgagc tctggctgg gccttctga tttcttcttt ttcttcttt 240  
ctatttctca cttttgctt ttagcacctc cagttttat atctgcagcc aaaattaaac 300  
acaacatcaa ttcttaata tttaagcgca cataactact acataattat cttaaagaca 360  
attttgcttg attttctact atcaaagtac aattattttag cacgtatcac tatatgtgg 420  
atctaggaac tcatcggtaa gattacaaa agctgatgtt g 461

<210> 33538  
<211> 219  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 33538

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actccgctgc cggcgtaacgt ggtgacgttgc agttggagcc ttggggagtc atcgacggct 120

tgagtctgaa cggggtttgt gagactgttg aagttggaga tggatagatg aaagaataga 180  
gagcgtggaa ctgaagaagc tccactctt gtctatcg 219

<210> 33539  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33539

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cctccgagaa agagatatga acagcaatca acgggagttc gtgtgagcag ttgataaaaa 120  
ctaacctaga atatatttgtt ctgccagaat cactcagaac aaaaaaatgc ttttccttt 180  
ctctccatga aatggaagca tcattctgca ctttatttat taatgaaaca gaatatgata 240  
ttacactata tatccagtgt catgcctct tattgcttga atctaatacg ataaacctct 300  
gtatgagaac aaatgcagct cttaactgga atttcaaata tctcatcata gctataacaa 360  
cag 363

<210> 33540  
<211> 346  
<212> DNA  
<213> Glycine max

<400> 33540

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taaaaagtta ttgtctttt aatctcctac aagcttccgt tttcaatttg caacgtctcg 120  
aatatattac aggactcaac ttgacatccg tgaataaaagt gattgtcaat gcaattgtct 180  
cagaacttcg gatctaaatt gtgagcgtct cgatatatgg catgactcat tcagacatcc 240  
gagtgaaaag ttattgtcat ttgaatttga tacgagctta cgttatcaat ttggagcatc 300  
tctcgataaa ttacgacact ctggcggca tccgagtaaa aagtca 346

<210> 33541  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33541

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cccttccatg cagcaaccta gagcaattga gcagcctgaa gcttatgcag cacatatata 180  
caatagacct gctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgaccttc 240  
cagcaacaca tacaaccctg gatggaggaa ttaccctaac ctcagatggt ccagccctca 300  
gcaacaacaa caacagcctg ctccttcctt ccaaatgct tctggccaa gcagaccata 360  
cattcctcca ccaatccaac aacagcaaca accccagata cagccaacaa gtgagggccc 420  
tccacaacct tccctcgaaag aacttgtgag gcanatgact atg 463

0  
<210> 33542  
<211> 395  
<212> DNA  
<213> Glycine max

<400> 33542

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aacttcgggt gatgggtgct tagaggatag tcagaataga tgcattgctt caaaattgtg 180  
tcaatccagc agtcatattt aagtctttct cgatgaatct aatattcctt ctaatgatac 240  
tttgatgcctt caagatacat ttggagggtg aaaatcttag caactacagg ttgagtcaat 300  
tccacatgtt gcacttccag atggaatcca gcataagatt tctggaagta aactctggtc 360  
ttaacataaaa cagatctaaa ctcaaagatc aaaaat 395

<210> 33543  
<211> 467  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33543

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cccaacttgc tccacaaaagt cctccaaaaaa tggcttaaga acttagagtc cctatcacta 180  
acaatgtcc ttggcaaacc atggagtctc acaatctcct tgaaaaacaa atcagccaca 240  
tgggaagcat catcaacttt cttacatgga ataaaatgag ccattntaga aaacctatca 300  
acaaccacaa aaatggaatc tctaccattg ctgttttg gcagccccaa aacaaaatcc 360  
atggataaat caatccaagg atacttcgga attggcaatg gagtatacaa tccatgaggc 420  
tntaccttag actttgcctt tntacataca atgcaatgtt cacaaaa 467

<210> 33544  
<211> 440  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33544

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tgtcgagga aggagagtgc tttcttccg aactaaagca tttgcataa ttgcaagtgg 120  
tggacttaag cattccatgt gcttgaattt ttccaaagga attgttcttt gacaacttaa 180  
gtgattacaa gattgagatt gngaacttca aaactcttc agctggagat ttcagaatgc 240  
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ttcactctca gacaggaata aagttgttgt ttaaaacagt tgaaaatttt gtgtggaga 360  
gctgaatggc gtcaagatgt attaatgagt cgaaattgat ggacttcaca tttgaacact 420  
tatcatataa caacctacat 440

<210> 33545  
<211> 437  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33545

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agaaatgaaa aaattaaata tcataataat gaagaaaaaa aaaattataa ttaaggttt 180  
gaattaaagt gtgatttaag tatacttatg tgattactt aaactcatta gtataaattt 240

caccgatgtt taccgcctca atttcataac agagtcaata tgccataatt gggtatgtg 300  
catcagctca tatgatttag accaagaaga ctttctgttt actacaaatt aacttgcatt 360  
tgcagacaga aatggaccaq aaggaataat cagcaaagtt gggatatcta tattatagtt 420  
ggatgggatt acatact 437

<210> 33546  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33546

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gaaaaaaaaaaga gtatgtatc aagaaatgag agaaaaagaaa agtatttagtt gagaaataca 120  
ctaagcttaa gagagttcat tctttataat acacaaagta cttgtgagac attataactt 180  
tattgtatat tcactcattt agtattgtaa agaatctttt attctacatc aaacttttgt 240  
ttgtgaaatt caagagtgcac ttatgtaaaa aacaatacgt aggtgttctt agattcaagt 300  
ggagtctaca ggttgcacca ataatgacca taagaatact cataagccaa aagtgtataga 360  
aaagaaatca agtctgatta gcggaaatcct ttactatgtt gtanagaaga actagacgtt 420  
actcaggattt agtgaaccag tat 443

<210> 33547  
<211> 424  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33547

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agagggaaagc tccccaaagt ccaactccga acgcaactcg accggccggt aattccaaca 120  
caacaaggaa ctcccctccg aggccgttgc cgaaattcac cccgctccca atgacgtacg 180  
aagatcttctt accatccctc atcgccaaatc atttggccgt ggtaactccc ggaagggtcc 240  
tcgaacccccc ttccccgaag tggtatgacc ctaatgcaac ttgcaagtac catgggggtt 300  
ccccggngca ttccatcgaa caatgtttgg cccttaaata caacgtccaa catctaatttgg 360

atgccggatg gctgactctn caagaggatc ggcccaatgt aaggaccaac ccgctcgcaa 420

424

tcat

<210> 33548

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33548

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ttaccttagat acctatcgtc caccatccca ccatcatcct tgcctatccc ctttgatact 180

aaggaagagt ttcatgaaca attaacaaa gaaaggcaag aaaaagacac ttggaagagg 240

agatgccagg agctcgagca agagaatgag actctgaagg ggaagatagc ccaacagagc 300

cgtttagttt ttatccagaa ccagaggatg attgagaagg acgacttgct tcgtccatag 360

acgctttgtc caccgagatg c 381

<210> 33549

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33549

actcaagctt gaggttgtga aaagaataga gtccatcatc accaacttct tcttgtagaa 60

gaattctatt ggtctcctga gatccacaa gatacacatg agggtaaac agagttgtct 120

tacgcaaatt gactcacact taactgattt ttccaaattt aaggaacatg taacaactta 180

tgaagcttaa aggttatggc actgtcatta cgagatacaa aaattgacga atcggagttg 240

gagatactta aacctttacc attgcctatg aaaatctgct angtctatca aaatgagtaa 300

attgtatatt attttgagag tcaccagtca catgaaaact ggctctagaa tctagtatcc 360

aagtggagcc agatgcatca ttaccatgac aggaggatg tgtgagcatg gcattgggct 420

gactgggact acgaacagtg gacttagcat tggc 454

<210> 33550

D  
E  
B  
O  
R  
E  
S  
T  
A  
T  
I  
O  
N

<211> 431  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33550  
  
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taagcaggcg agtcctggc agtcaacaga taaaaggaaa acaagaccac aaagcaagga 120  
ggcttgtggt ggctggccag ctgtgaattt tgttaatat gtggattgtg gtctctggta 180  
atcgattacc aaaggtagt aatcgattac aaggctaaa attgaggaca ggaggctaag 240  
atggtctctg gtaatcgatt accaagggtt gtaatcgatt accaggctt anaacgaagt 300  
cagggaaactt agggagcctc tggtaatcga ttaccagcct gtgtaatcga ttacacagag 360  
aatgggtca ctggtaatcg attaccacgc atgttaatc gattacacag tgtattattt 420  
catatttcat g 431  
  
<210> 33551  
<211> 464  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33551  
  
tgtgattgtt aaaaatata ataaaaagat taaatcctt aggtntgca cttgcacgtt 60  
tgagaagaaa actcaactcga ccaggagctt gtggaaaatg cccaaagaca attgtataa 120  
tagggtacat ctgatgttag tcactcatgc agactcctt ggattcctt tgaatccaaa 180  
ggtggcctt cttgtacaaa ttcttcggg atcaacccat gacatcaagt tttagcaaga 240  
tcaactgacc catggcatga ctctatgata ttaaatcacg aaagttcac ttggcacat 300  
accaaagtgt gacaatccat tgccatcctt caatgggtg catgatcgat cccaaagcca 360  
tatattttct tgggtgcag aataatcaaac gctntaaac gacaagggat gaaccttagg 420  
atctaaatct caggtgatta attaaatgtt gaatggctcc acta 464  
  
<210> 33552  
<211> 273  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33552

caagcttgtt tangctgctt angtccttgg actgaatgat tcgttaggat tcctcaaagc 60  
aactaaatca tgagtggtaa tattggggag agacattaaa acctaaagaa gagtaacaaa 120  
atacatcact caataactaa agctttagaa attagcatcc tcttcttgc aagagaattc 180  
caaatggcaa atgcagtcga gcgacaagaa aaaataaaagt agccaacaga acaagagaca 240  
tactaacctg cctggagct gcgtgttat cac 273

<210> 33553  
<211> 444  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33553

acatactgtg taatattatt agtaagaaac atagccttct atatttgata actaaacctt 60  
cttctcctt tgcattcgta tacggcatga aatatgttac tcctggaaag tccccacctt 120  
ctacttcggc caatccacca tacacaacat caccccaccc aaaatcgact tttccaaaat 180  
gataatatat atctcaagtc tgacacaaca tataacacct tacagttgcg aataagcatc 240  
gatccttaat caccattaga tctgccacag aatgcatata ctcctccgtc acctaactnt 300  
tcactaggtt gattccactg cataccaaa tggatttgca caaagctatc ctgcagcgg 360  
gactgctgca cggtatggaa cagcattgcc gtaataacct acggtaact gatgatagaa 420  
ccgtgcacgt gcatcgacta tgca 444

<210> 33554  
<211> 402  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33554

agcttgagtg ttattctgtt gaggttgagc taagcgcgcc atgctgcgt aagcctattc 60  
tgcaaaaaga aatgttttt gtgtttcgta gcttaatgcc agcctgctgc gcttagcgcc 120  
ttgagtaaat ttcataaggc gccctaagct cagcatgttgc cgctaagcgc ccagtcaaaa 180  
tttcagttt attnttctgt ttgtaaaaat aaccttgcgtt aatctttgtt gtttatttt 240

cattntgtcag atggcatcca agaaaagaaa atctcatttct acacacctacc nnagccagat 300  
tgatagggtcc agaatcacat cccttagaggc ttgngagaga tacactgaca ttgtggtgcc 360  
tcgaaagcta ctaccagaga ggaatgtggt agtttattac ac 402

<210> 33555  
<211> 501  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33555

cgatactata gacaactcaa gctttagga ttatgggta cctatcccag tggtactagg 60  
tggcggtctg gctatggtgc acaacaagtt ctccacatcc acaatgcgcg cataaaccct 120  
ccatccccctg tggcccacct ccaactgagc tcacgtactc ccatgtagcc catatcccc 180  
tttctctcaa caccggatcc ccatcaatcc tcccaagctt ccacaacatc caagcaaaac 240  
aacattcaaa tagaacaagg tatcacagcc aagcaaaaca gagcaaaggc agacaactct 300  
gccaaaacgc caaccaaatc acagtttc tcacttaag accccagtaa caattccctc 360  
gttccggttc atcaaccgtt ggatcgactc gaaaantta ctagaagtct ctagtactta 420  
agcctacatt gtgaccgttg ggatctacta gcaaacatcc agaactcatt ctgtactgct 480  
cttcccacag ccaaccacac a 501

<210> 33556  
<211> 459  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33556

agcttatta cactcatata gtagttcac accatccgtg ccacaaaaac cccaaaaacc 60  
acatcaaaac catcgaaatg aacattntta cgaactttca atagtgtca tggagggaaa 120  
atgaacacgg aaaacaagag ggaaaagata agggttcctt atcattgaac tagccctcaa 180  
actcaactaa agcacaacta ccaagtcct tgtagtagcgg aattcaaggt ctcaagctct 240  
ctaatgaaag gttatcttgg agagagagaa gaaagtgaaa tgatagtatt ctaagtggtg 300  
gttcagactn tgaactctt actttgnagt tatgactctc cctattnctt ctaatcacac 360

ctcttcactt gctaaactca acccgccccca tccctatact caagaaccac tcatctcgat 420  
tgaacaacca gcctcatcgc tacggatcat actctaattc 459

<210> 33557  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33557

actagctgga tggttggctt atttgacttc ttgtcgcttt tatacataaa cagccccacc 60  
atcccaattn tgcaaaaatc atattcatat atcattgggg catttcacccg agcactttgt 120  
gggcgcacgt ttggacacaa attgcaagag aataggaca atgtggcatg cctcattgct 180  
tcagaataca acctaggctt aaggcccttt cattcaaattc ctcaattcaa gaaaacaaggc 240  
accaaagcaa accaaaactg cctcacaatataaagcatgt tctcacaatt taaggcacca 300  
aaagatgaag aaaacacatc aatgggaagc aaaaacatca aggatggaat acttacttgt 360  
tggagtgaat taaaacacca aaaacgaaag caaaacgcga tcaanaatgg cttangggag 420  
caagaaaccg caagccttcg tgtctttatc 450

<210> 33558  
<211> 438  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33558

agcttgtctg tctgggtgga tcaaataaac ctgagaattc ccagtttag tggaccccaa 60  
tatatactac tctagaaaag agacaaaata gcttttaca ctttaatttaa ccagaaattt 120  
gaaaaaaactt ttgaataaaa ggcatgacta attactgtt actaaatgtt cacgtaaata 180  
cgttttcat ctctcanaat atgacgggtt ttacttctt tttgctgga taaacgggtt 240  
tttacttta tccttataca aattaaatttca aatntcagtt ttatatntg aaaaaaaaaat 300  
gatatgaatt tatacgtcca tcaggaactg aaaagaaaact aaaaactaat gtatTTCAA 360  
aatgataat aatTTTcatt tatataat atagttacaa ttcatTTGAA atgatgat 420  
acttaacttt atccttatc 438

<210> 33559  
<211> 466  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33559

ntataagcgc gggctcgcc gacaaaggc aagtggcgc gatgttctat gatgatgttc 60  
cgagtacatt ggatttggta cgaccatgct ctcctgattc ttagctggaa aattggcag 120  
tggaggaacg ccccgacatt tacgcaacga gcataatgta aacctttacg gttttaaaaa 180  
actttatagt taggcctagg cttagatgtt tctttgtta aggctttgtg tctttgttc 240  
taaatttata atacaaggat ctttcttcat ctgttcctac gtctctaccc attctcatcc 300  
atttcatgtt tacttctta tttctgaaac ggcagatctg atgacgagtc ccccgaaagg 360  
actaataacct gngacctgcc tatcaacttc gagcaagaaa cgaatcacac agaagatgaa 420  
cggaatgagg atgtgagact tcccncggaa ttagaaagga tagtcg 466

<210> 33560  
<211> 375  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33560

agcttgagct tcctagctta agcaccatag gcattcacta gtgcaatgtg atctttagct 60  
tgttgggtgtt tcacatccat tcgggtccta agagggtcaag atttcaatgc caaaaagg 120  
ctatgcacgt atgcattacc agtcgtggaa agatcctgtt aacccaaaac acctaaacaa 180  
ttacatggtg ttcatcaat tactcaaattc accaagtggc aaagttaaa ataacagttc 240  
gcaacagcga ttccagcctc aacatcaagg tttggactc atgtaagcaa ttccccgcaa 300  
tgtcaaggat cgcgacgaaa ccgcaatcta aaatcttgcc atgtgggtta tgctttaaac 360  
tanatctaca aaaat 375

<210> 33561  
<211> 477  
<212> DNA  
<213> Glycine max

<400> 33561

cttgagacaa ggatcctcca aaagcaccac actatctgtt ttcacataaa actaagagag 60  
aggattctag gcttgcagaa gtgtcaactgc ctccgcaaac cagtaccctc cctcttcagt 120  
tcacacaacc ctgtaataaa gatgagttt gtttctcttgc cttacctgca aattacatca 180  
aaacagcatt aaagaagaac aataataaca acactgaaaa acatgtgaag ttgcgtgaag 240  
ttatcattca tgtcatgcca ttatggc aattaaaaca aataagctt aatcagctag 300  
acaagaaatt atgtcggtgt gtgtgtatta tttagaccaa ttcttattat cctatagtat 360  
taactattaa atgacaacaa acatcttggc gccacataaa tattctatat tctacaataa 420  
tgattgatca tttgtcttga cttagtgcac atgaatatct ggtcaatgca gctaattg 477

<210> 33562

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33562

agcttccact ttatccaagg aatttatttt ccaaataatca tgaactaccc taaaccaaga 60  
aacacaggca gagggcagaaa actctgccc aaacacattc aaataccaca gctntcccta 120  
ctcaaataacc ccagtaacat tctctntgtt ctgattcggtt aaccatttggc tcgacttgaa 180  
aantttacta gaggttccta gtacataagt ctacatcttgc accgttggc tctactagaa 240  
aatgtccaga acccaatatg tactacctt cccataacca acaatgcaca agcattntct 300  
gcacatgttg aaaagttctg ctgcacaatt caacaacatt ctctgcata atanggcaga 360  
attcgaaatc catcttgccc acatccaatt ntgctcanat nggatcctac aagtccctaca 420  
tcatgtataa atcatatata aat 443

<210> 33563

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 33563

aactcaagct tgagtgtttt ctatanaaaa caaactaaaa ctcgagctt aagttttcat 60

cattcgctat cagctnttca aagtacagaa ggtcacacat gttgcctaaa acatcccact 120  
tatctaggca tggcaacggg gccccgtcccg gaccggcccc gatttgacg gngaaaatcc 180  
gagttgatcg gggtcagggt cgggggtcggg tttttcccgta tagccaaatt cgggttcggc 240  
gtccgggatg ggattcttaa tacctgcccc gaatccgtcc ccaaaaaccgt cccgctaata 300  
attaatatat ataacacatt gaaatatgac actattacat tgaatcttat gtttagtgtat 360  
aattgaattt tatgtcttat ctAAAactat atttcttattt ctatgaaaaa ttatatttct 420  
425  
ttaat

<210> 33564  
<211> 320  
<212> DNA  
<213> Glycine max

<400> 33564  
atcttgat atgaagtgtc caagggtgaa acttcctgct tttattgttg accacaggt 60  
ggtacctgga gatatgtcgc gggggtaag agaccttggg gacgtcaggt ggggtgctat 120  
tgcccaaaac caagcttgac caattccgac ccaacccggg catagtctgt catggagaac 180  
ctgtgtatgta cctaaggcagg cgagctcctg gcagtcaaca gataaaagga acaaagacca 240  
caaaggcagg aggcttgtgg tagctggcca gctgtgaaac ttgactgata tgtgagat 300  
320  
ggactctggta aatcgattac

<210> 33565  
<211> 409  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33565  
actaagctta taaaacaaaa tgcctaatca ttccaaaatg tttgttaatan gacgcataa 60  
caagaataag ccaagctatt gtgcagcaat caatggggca aaacacacca aatgaaatga 120  
tcatggatgg ctcattttt cacaaggta aaatcatcac ttccaaattt agctntcaa 180  
actatcatga catgttagaga agaatcaagg atttcaagtc acaaaatgtc aagaacttt 240  
attttcaaaa caattaccca tttcttgaac atttcctata attcaaagaa aaacatgcaa 300

agtcatacgt gcacacaaaa ttgacccana atattanact aaaaatccga cgaaactaac 360  
aacattaaca aattaacaca actaacanat taacataacc aacaaaact 409

<210> 33566  
<211> 213  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33566

atcttattct tttgntctcc taccctcttt ctaatctatg acactagttt tataaaatga 60  
tttctaagaa taatgatata tgatagcaat aaaactcatt ataattaaat tcttcgatct 120  
aacgcaaccc aggagatatc aaatcatcta acgtatatat atatatatat atatattata 180  
tctattataa tatatatata tatatatata tat 213

<210> 33567  
<211> 250  
<212> DNA  
<213> Glycine max

<400> 33567

atatatggtt aaatcccaac tagctttgc atatgccaac gttaaggctg tgaattatac 60  
ataagattca ctaaaataca catctcatga agctataact aaaaaaatat cttaagatat 120  
actaatagct caatttagctc aatattgtat aagcatttga caacttatac acttattcctt 180  
atcttctaa taggagttag tcgtgtactt taagatttat ctaattatga ctggtagca 240  
tactcataact 250

<210> 33568  
<211> 437  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33568

caggtcccg aaaaagtctc cggtatatac ccacaagccc ctaccaacaa cggatcctag 60  
gccaaacacac aatatactac aacaacacag ccacaccatg tcataaga cccaacctac 120  
aacacggagg acactaaccc atagaccgat agcatgcgcc actaaaacat catgcgtctc 180

cgaccgtac tctaagacccg atacacacaa ccgccttaca acggcacacg agcggaatcc 240  
cgaacttagga acaatgaatc ccactcataa caccatcaa ccgacggta cacaattgc 300  
gataatatgg cctacgggaa acacanacaa cgcacggctc acacacaaag acgacatcg 360  
aatngaccgc gagagccaca aacgaacacc tagccaccaa tcacagaccc cgctcctaga 420  
cacaacagac tccgacg 437

<210> 33569  
<211> 519  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33569

ccgcgactgg cgttgacacc tgatnacnt tcgcaaaacc cccgacacta tacaacactc 60  
cacccngaag accatncata ctatgtcatc agcccacttc agctttgctc gataacacag 120  
ccacagatag gggctcgct agagcacacg atactgctgc caatcaaacc accaacgtaa 180  
cacctacacc tcgcaccaca tctccctacc atgccagtgc gcagcacgct agttggac 240  
atcctaacag ccataccatg aagctacacc tcacacattg caatattcc tcactcaata 300  
aaactttatc agactctagc tcctgcccgt gcatggcata atctcataca ttgcctccc 360  
actctcctac ttcttatatac cttccttcgg agcccatctt acagacctgc ggccgaccgt 420  
catgacctcc catgctaccc taactactac gcaccctcta cgatgcctca tcagaacact 480  
cgatattcct atacaccaac gccaaactccc gotccaacc 519

<210> 33570  
<211> 444  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33570

agttcacct tcaccatatc caacacaccc canaacattc aacacccatcg atctgcactt 60  
tcttcttcta ctactcctaa tcatcaaatac catcttgctg agtttagtacc cttcaactct 120  
acccaacact ccaacaaaga caacaacaca caaaaggctc ctctcactga cctattgaa 180  
cttgctatg catcactcac ctttgagcct cttttcgct ctttgatatc acagatcaca 240

gaagaagacg gtcaccctcc actntgcata atatctgaca tggccttgg ttgggttaac 300  
aatgttcaa agagcttaag cactangaac ctaaccttca ccacttgtgg tgcttatgg 360  
atcttggcct atatctctat ctggtccaa cctcctcata ggaaaactga ttctgatgag 420  
ttccatgttc cgggaattcc tcaa 444

<210> 33571  
<211> 425  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33571

tctgtganat tccagatcct gacaacacct tcttactct tacagacaat tcgttcagct 60  
cctatatcca cagagaagag attgcttta aatccgcgc acatcctctg tggaggctct 120  
actatgtctc cacccaaatg ctntacctt gagactctct tcctcagagc tcgcttgcta 180  
atcttcaaca gctgtctcac atcaattaga gccagcttgc catcacttga tgcgaaaca 240  
agccatggaa actcataggc aagagaatac acaacagctg agtgaggaac agaatttagta 300  
aataagctgg ttttctata tttacgagta agtcagttt aatggattag catagtcaat 360  
aagtggtttc tatctttaag gaacaagtta gccttaatac tctgcttgc taatatctct 420  
gtatc 425

<210> 33572  
<211> 375  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33572

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gaccttcaat cctattacgc aacgtggcgg aaaaaatgg gcaattaact tgaatggtca 120  
ttattgtcaa tgcgaaagg attctgcgt tcactatcca tgttcacata ttattgcagc 180  
ttgtggttac gtgagcctga actactacca atatataat gttgttata caaatgagca 240  
catcttacaa gcttactccc cacaatggtg gcctttgag aatgaagtgg ctattcctcc 300  
ttctaatgat gcatggacac ttatccctga cccaaactaca attcgtgcga caggtcgcc 360

aaaatcaaca aggat

375

<210> 33573  
<211> 458  
<212> DNA  
<213> Glycine max

<400> 33573

tagacagtgt gtcattggtc atttcatcct ctctaatttt cttattgttg tccccttat 60  
tattgataca aatagtacaa cgaattgcaa aaattgtaga tcactccttt gcttgatgt 120  
gctctccctc gagatattaa gcaaaaaaaaaa gacaacacca tggttcacca atgcttcaac 180  
aaccctaaat tgtgtaaaga gaagtgccag cagtgccaa ac aatttatcaa ttatagctc 240  
caaaatttcc aattgtgttt gtctgaatta agagctgaca ttgagaaaaat agcctcagtt 300  
gcattgatat ttgcctatat ttatttctat ccacctctt ttaacaatg ttccatcag 360  
tattataacg ccgcttatcc attgattcat cgaagttcaa gtatatccaa tgcattaata 420  
atttggaaac tatatttagt aattatacag aataccac 458

<210> 33574  
<211> 348  
<212> DNA  
<213> Glycine max

<400> 33574

agctttgtgt aatcgattac actaatttgg taatcgatta ccagtgactg ttccgaaata 60  
aatcaaaaga tgtaactctt caaaagggttt ttgaattttt caaattggtt ttaagtttt 120  
ctaaaagtta taactcttct aaatggtctt ctgaccaga catgaagagt ctatataagc 180  
aaggcttttt ttgcattctc aagtatctt aatactttc caatcaattc ttgcagcc 240  
ttgaatctct ttgaacttct tcttcttcat tgtaccaaaa gctttctgaa gttttctgg 300  
tttccaaacc ttgaaaactt gtgctattca tctttccatt ctcttctg 348

<210> 33575  
<211> 422  
<212> DNA  
<213> Glycine max

<400> 33575

cttggcgta aactccaatc gagacattt agcttgtaca ttctgaatcg cctctgcatt 60  
gtgcttgaca tcagcactga gtccttcat tcgcgtgtt tctgccatgg catgtgaaa 120  
gcaccaatga aaggaaaata caagaaatta tagaatgtac tcattttgtt cccgtactaa 180  
aatgagaat caacctctaa gagtacagt tgtacaatta gaaggactga gtacaatact 240  
cacaagaga aaaagaagaa gaacaagaca tgttcactca taactaccct ctcaactacac 300  
cacctcctac ctctaaatac cactattagt tggttacata atccaccaac ctagagttag 360  
ggtttctctc tctcacactc tttctgttac catagtggat acgtgagatt tgcaaatatt 420  
422

cc

<210> 33576  
<211> 382  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33576

ttcttctttt gttcgtctt cctgcagctc gctgatattt tcacgaagcc tctatctcca 60  
gctcttttc aaggctctg ttccaagctg ggaatgtga acatccattc ctagcttgcg 120  
nggggctctc aacaatagct tgtagttag aaaaagctgt tagagttagt tttctttctg 180  
gtgtaactaa ctaaccaccc ttttctctt tccttcataat gtgtataaat atcttacgaa 240  
ttcagtaata aagacatgca attatttggt catctcacgt acacttgcgt cgtttctctc 300  
tccttatgg ctggtgatcc atttaatatt tggccgtgc tttccctgg acgacgtnt 360  
382  
cgagtagaga aatgtatgtat tt

<210> 33577  
<211> 385  
<212> DNA  
<213> Glycine max

<400> 33577

tgacatgtgt ccaatttggt ggttattcgg gcatttcttc atcacacttc cacctctatt 60  
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ctttctgttt tatctttcca tctctctctc tctcgagctt tctagagaag tctctgtatt 180  
tcttcgatgc tttgcctctc tatttctca actaagtccct aatgtaaat gcgtgtgggtt 240

cttgagactc gaggtgatag aattgatctc tatgactgca aagccgggtt ctcttcatt 300  
catggaaacg actcattcga tgtttcatt cggcgtgaga taaacgctgt gttttggct 360  
ctggcagttt gctttgtac taccc 385

<210> 33578  
<211> 320  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33578

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catccctaaa tctaccacaa agtctgtcta ccgcacttnc aatgacgaac accacctta 180  
gcacaaacca acaacaccaa ccaagaaagt gaatttgca gcgagaaagc ttgagaattc 240  
accccattcc agtgtctatg ctgattgctc catattactt gatattcatg gtaccatacc 300  
ctagccaggt catcacctca 320

<210> 33579  
<211> 455  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33579

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cgaggcgctt ccgtaacact tccgaaacgt ttccgtgaag atttccgcc gtcttcgtt 180  
cattcttcgt cgttttcgg tcttcaatcg gtaagttctc gatatcgaac tttcaattc 240  
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ctttccgtac cccctttga cgtgcatttag tcatttattt aagtcatttt ctcgcctaatt 360  
aaaaaaaaatt aaataaattt ccaccgatca ttcaatttgc acatccgtta attccggtaa 420  
aatgaaatcc gactgttccgg tcatgccgtt ccacg 455

<210> 33580  
<211> 413  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33580

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ttggacactg gtaatcgatt acatccctcg gtaatcgatt accagagagt aaatttgtg 180  
aaaaatactt tttaacttaa aattcttggc caaacctttt gctacttcaa tnggaattcc 240  
cttccttattt aatataaccct ttctaagact ctaaagactg tcttgatcat ccatcttgaa 300  
tatctnntaa ttctttgtct tgaataaagc tttgagacgc atgtgatcct ttggcatcat 360  
caaaacatca gcttgatcct ttgtctacac atatcttgtg gatcagttct agt 413

<210> 33581  
<211> 463  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33581

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gtcgaggaac ctgggggggt tatggctacc attgaattat ggagtagaca taagagcaag 180  
gtagcatagg acacccaaat tggggagaat tctataaact ttttgctgg aaaactcct 240  
ccttggttgg tgttttgggt tggctaaaa gtgggttttgcattggtttgcgtggcacgc 300  
aagctttgtg gctgattttag tggatggcctt cgtggatgtat tgngtgggtgg gtaatgaaaa 360  
gggctaacgt cggctgagta atgacattgt tgagcangta gaanatttgg catgtangaa 420  
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<210> 33582  
<211> 442  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations

DRAFT

<400> 33582  
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gattaagtgt aatgcttagga gtgaccatga gaatactcat tgtagtcaga agtggcatag 180  
aaaatacttg gttgtgatca aatatttgat cagggaaacc ctaacaggaa taaaggagaa 240  
ctggacgtac ctaaagagtt gggacgaacc aatatacaac cggtgttgc tcattaatgg 300  
tactatatat aacttgtcct ttgcttaag tcactctcac actatcatat ccaagcttg 360  
cagactgatt gttcaaacac acatcanatc cttggatga aatccttggt ccattgat 420  
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<210> 33583  
<211> 421  
<212> DNA  
<213> Glycine max  
  
<400> 33583  
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cgattgacgc caaaatatacg ggcttagactt cctaagagcg actaccataa acgccacaat 120  
tatggctagg agcttttagaa tccttgagac ttaccatggg attataaccc ctgcttattac 180  
caaagttgga gttttataaa aaaattacta tttaagat atgaaacttt tttaactta 240  
tctaacagat atttcagaca ctagtatatc tatattctct ggttaaattt gtcatgaatt 300  
gcttcattca ctgcttagtag cagtaacagg atagctctgg aattaaacgt gatcaatgag 360  
catgtattac aatatcaaaa tctaattgagc aacataaggt gatgagcgta cgctagctaa 420  
c 421

<210> 33584  
<211> 396  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33584  
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attttcaaac aaatggtcaa gtgcttgtgc agctnttcgt ttgaaaagta ctaaatcata 180  
atacgccaga ctatcatcaa atgaagtggaa aagagaaaat gtaggattt gcctcctgtg 240  
ctcttaatct ccatttagct atatttcttg attntnttt agtaggatag gataagtata 300  
ggtaataat tttaaaaat atttaacatg attacatatt taatatttga atcataaaca 360  
attgttaaat taaaacaatc tcacgtcaca tgcttc 396

<210> 33585  
<211> 473  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33585

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tacaaaacta agttgaatcc tagaggagaa gtaacaaagt tcatagccag actggttgca 180  
aagggatttc tgcagaagca aggtctggat tatgtatgaag tatttgcggcc ttttgctang 240  
ttggaaacag ttagacttgt aatagcaatg gctagctaca attgctggaa agtacaccaa 300  
atggatgtaa aatctgcatt tcttaatggc tcactagaag aagaagtnt tgtcactcaa 360  
ccaccagggt ttgtgatgaa aggttagagaa acagaggtgt acaagctgca taaggccttg 420  
tatggtctga aacaggcttc cagagcttg aacaagagaa tagatacatt tct 473

<210> 33586  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33586

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ctttaggtc gtagcttaag atgtgaggat gaaatctaattt attagatgtt aacaactttt 120  
cgaaataata ttgatgtcca ggtattggta aaattaaaa atcaatatgt gtaaagagaa 180  
atacggtgtaa tttgtggngt gtagtggtaa tctttgagt atctataaaa gagggtggac 240  
tagaaatgga agatacaaattt ttcatcctac atcttaattt gaccttcac attanaatgg 300

tgattctgac gtgacacttc tatagaccgt tgagaatgta cttatggaaa tgtgataaat 360  
gatgtgaaca ataaaacaat ggtcgattag aaatttaatt aagacnatag ttttgccta 420  
tattactaat tgatcatgtc caatcaaatg 450

<210> 33587  
<211> 473  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33587

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tctatagttt tctggagttt taacatgacc tccgagatgg aagccatttg atcttttaag 180  
gccgatagat tgacccat ctgttcgtc acgcccctt cattatccat tnttctggat 240  
cgagtgttat agggatgcct tgggttttc ttagttatga tggaaattcct aaagaaataaa 300  
acaaaggta gtatgccacc aaaacatgaa tatgcaaattg aatgatcgga gcacttggat 360  
ccaccccaag ggttttaga taacgtgatg agttcagaaa ttctcattnt atacaaagac 420  
caatgcttac atctagccac agatatacaa aggggttaca agagaaccta acg 473

<210> 33588  
<211> 216  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33588

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gctctgatgc cgcatagttt agccagcccc gacacccgccc aacacccgct gacgcgaacc 120  
ccttgccgnc gcatcgaata taaactccca tactgtctgc tataccaatg actacccgtg 180  
agctcggact ccactcgta ttccacggac taaacg 216

<210> 33589  
<211> 411  
<212> DNA  
<213> Glycine max

**D**  
**E**  
**S**  
**T**  
**E**  
**M**  
**P**  
**E**  
**R**  
**A**  
**S**  
**S**

<223> unsure at all n locations  
<400> 33589

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aagttcaact tctctccctt ttttcttcc ttcaatttcg tgctcccccc tctcttttc 180  
tctcccttctt cattgaagca tccttccaag cttcttatcc aaggctcatc 240  
ttgggttgta agtccttct tccatggctt attccctagt ggatggcgcc tcctcntccc 300  
tcttctnctt tgtcttccgc tgcatctcca tggggaaaa ccaccattaa aggacctcat 360  
tgaagctcan agatccagcc tccatagana gctcacaagc aagcttccat c 411

<210> 33590  
<211> 469  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33590

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attctccacc atggagatgt agcggaaagac acatgagaag aggtgagagg aggtgccatc 120  
cactaaggaa taagccatgg aagaaggaac ttcaccacca agatgagcct tagataagaa 180  
gcttggagat gatgcttcaa tggggaaaa gaaagaagga gagaaagaga gagggaggag 240  
caagacattg aaggaagaaa aagggtgaga agttgaactt tgagttgtgt ctcacaagac 300  
tctcattcat canagttaca ataagtgtt a catgtttc tatntataga ctacgtagct 360  
tccttgagaa gctntcttga gaaaacttcc ttaagaagct tctttgagaa aatntccttg 420  
ggaagctaga gcttagctac acacacccct ctcataacta agtcacac 469

<210> 33591  
<211> 433  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33591

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ttttactca gaagtctgat tgtgtccgt aatatatcta gatgctcaa attgaaaaca 180  
gaagctctga gcaaattcaa acgacaatag ctttgactc ggatatccga ttgagtatt 240  
taataattcg agacgctcan aattgaatac agaagctcta agcanattca aatgacaata 300  
actnttgcact cgaatgtccg attgagtcat tntataattc gagacgctca anattgaatg 360  
caggagctct caccannatt aaatgacaat aactntntac tcagaagtct aatggtgtcc 420  
tgtaatntat cta 433

<210> 33592  
<211> 441  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33592

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cgtgcgtctc gatatactac aggactcaat cgacttcc agaaaaagt tattgtcatt 180  
tgaatttgc gagagctct atattcaatt tcgagcgtct tgaatttata agggagtaaa 240  
ttcgacatcc gagtc当地 attttattgt ttcaatttgc tgagagctgg tgtattcaat 300  
ttcgagcgtc tcgaatttattt aaatggttca atcgatatc anagtcaaaa gctattgtcg 360  
tttgaatttgc cttagagctt ctgtttcaa ttctgagcgt ctgcataat taccggactc 420  
aatcagacat ccgagatataa a 441

<210> 33593  
<211> 391  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33593

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gtcaaaaatat gtgcagcagg attntagctt ggtgcagaaa atgcttgtt gtgggtggct 180

gtggaaagag tagtacagaa tgagttctgg atgttgcta gtagatccca acggtcacaa 240  
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attggatcga agggattggt actgtggtct ttaagtgaga aaagctgtaa ttntggttga 360  
tgtgttggc agagtttct gcctttgctc t 391

<210> 33594  
<211> 397  
<212> DNA  
<213> Glycine max

<400> 33594  
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gtgttggatcc ttgttaatgt ggctccttgc agagcttgta agccttggat cttcttcatc 240  
aatgaagtcc ttgcgttctt gaagatcaat ggccgcggaa tggagaataa gaaaaggta 300  
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atgcataaga gcttgaaggt aggagaagat gggtgga 397

<210> 33595  
<211> 429  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33595

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aacctaccct tcggcgaggag ggcgatgcga gggctcacgg gtgcgtcttc catgagagga 300  
aaatgtgcgg agtcgccacc aacgtttattt caaggaaaaaa gttttagaaaa tcagaaaagg 360  
gtggctacg aactntaagt gtgaaagggtt tgngacaacc tttaatcaaa tgtgcaatat 420  
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<210> 33596  
<211> 456  
<212> DNA  
<213> Glycine max  
  
<400> 33596  
  
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tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcataacttc 180  
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cactaagttg tctaataacct gagatatcct tcctgatggc tgtggtcctg gaagcaggga 360  
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ggtaataacaa ccagtcctt gccactccct ctaatg 486

<210> 33597  
<211> 418  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33597  
  
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aacgaataaa agagggagag aagctgaact ttgaagtgtg tctcataaga ctttcattca 120  
tcaaagtgac aacaagtgtt acacatgctt ctatttatag actaggttagc cttcttgaga 180  
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aagctagagc ttagctacac acacccatct aataactaag ctcacccct taagaagcta 360  
gagctcagct acacacactc atctaaaaac taagctcacc tncttgacga aatacatg 418

<210> 33598  
<211> 431  
<212> DNA  
<213> Glycine max

<400> 33598

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tgaaggaatg catataaacac agatgcaatc taggaatgcg ggggtccggg gaattcgccc 180  
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caaaagggtt tatgataactt atgcattggca gtgtaaaaaa tggcatgcac cgtgtttgct 420  
431  
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<210> 33599  
<211> 407  
<212> DNA  
<213> Glycine max

<400> 33599

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ctttcctgaa ctgtcaaacc aacaatctaa gtggttccat accaacatcc attgacaact 180  
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ccaacaattt tggtaatttg gatagcctgc aagtcttggaa tctctcaaattt aacaaatttc 360  
407  
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<210> 33600  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33600

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cgtggaaagt atggtttaag ctataagcccc actcaggcgat atatgaagag aagcaccgcg 180

ggaaggaaaa gcagtggcca aagctcgca gttgagacaag aaagtgaagg aagcccgccc 240  
tgccacataa gcagaagctt tataagcgca gggttgggag acgaaggta agtggtcgcg 300  
atatacgaag atgatgttcc gagtacattt gatttgtac gaaccatgcc ctctgatttc 360  
cagctggaa aatggcgagt ggaggaacac cccggcattt acgcaacgag cataatgtaa 420  
449  
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<210> 33601  
<211> 412  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33601

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ataaaaataat cttatgtata attacataac ataaaatagt aaaatagtaa aatagtaaaa 240  
tagatgagac tcaacttctt ataatgtct ttatttcag caatgaagct aataattatt 300  
cgaaagatac attgcttggt ttgcagctat acttatgctg aataataat agacgacgta 360  
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<210> 33602  
<211> 370  
<212> DNA  
<213> Glycine max

<400> 33602

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tggcgtatt ctgttggaa ttcgtgctcc ttttgcaca cattctatag ctgcattcta 180  
tccggAACCA ttcgtatgtat tgcctaaacca aggcaaccat tacgtccttc 240  
caagaatgaa ctcggaaagg ttccaaagttt gtataccagg tgacaactgt cccagtaaga 300  
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370

<210> 33603  
<211> 392  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33603  
  
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caatttccgg ctccccaccc tttccttctc ctcctctctt ttccctccat tgaaacatcc 180  
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tcccttagtgg atgacgcctc ctctcaccta ttctcctatg tcttgactg catctacatg 300  
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cacatgcaag atccatcatg ttcatatgtc tc 392

<210> 33604  
<211> 405  
<212> DNA  
<213> Glycine max  
  
<400> 33604  
  
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aagacacttt tccatgatct gaccgttggg atctttgaga agatgtctgg agtgtgctat 180  
aaggctctta atgaagcttc tggaggaagc ctcttaatga agcttctaca gaaagctaca 240  
tgaagctgcc ttggtaaaaa cgctgcccag cttcgtaa ccattggatc ttctccacat 300  
ctggctgca acttcacaag acaatcttcc atgatcttaa cattggatc ttgagaaga 360  
tatctggagt gtgctagaag ctctcggtcc cgagagcatc tctta 405

<210> 33605  
<211> 438  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations

<400> 33605  
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tttgagaaaa attccttgag aagctagagc ttagctacta cacaccctc tcataactaa 120  
gctcacccctcc ttgagaagct tccttaagaa gattcctaaa gaagctagag cttagctaca 180  
catacccttc taatagataa gtcaccccttc gtgagatgag aagctagagc ttacctacac 240  
acccnctata atagctaagt tcacccncat gacaaaatac atgaaaatac anaaaanaat 300  
ccctactaca aagactactc anaatgcctc gaaatacaag gctaananccc tatactacta 360  
gaatggcaa aatacaaggc ccaaacgaag gaaaacctat tcaatattac caagataagc 420  
gagctctact tagccatg 438

<210> 33606  
<211> 475  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 33606  
ctaagcttac atcaaccact tcgggtactg acctactttt atggcttga tggggcttat 60  
gcaagttgaa agccttggag gaaagaggta tgcttatgtt gttgtggatg atttctccag 120  
atttacctgn gtcaacttta tcagagaaaa atcagacacc tttgaagtat tcaaagagtt 180  
gagtctaaga cttcaaaagag aaaaagactg tgtcatcaag agaattacga gtgatcatgg 240  
cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcactcatga 300  
gttctctgca gccattacac cacaacaaaa tggcatagtt ganaggaaca acaggactct 360  
gcaagacgct gctanggtca tgcttcatgc caaagaactt ccctataatc tctgggctga 420  
agccatgaac acagcatgct acatccacaa cagagtacaa cttagaagag ggact 475

<210> 33607  
<211> 441  
<212> DNA  
<213> Glycine max  
<400> 33607  
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gtctggaaag gcattaccaa tatcaacgta tcataagtgg ttggatagat tgacgtctga 120

tgttgtgtgt taaattcctt atgttgacca ccgtgcaata agagaatttgcgttatctc 180  
tttatttttc aaacatatta gatgaagtcc atcaattgtc atacaccaac ctaagagggt 240  
tgtgctacag tttgggtatg tttagaccat tcctccacac cctgctactc catccctatg 300  
tatagaagat attgatgata gatgtattca gttctctgaa taccttgcac tggtgggtca 360  
aatatgtgtt acgcatagac agaatgcagc atactacatg gagtgatctt acatgatatc 420  
tcatcccttc atgagttcac a 441

<210> 33608  
<211> 412  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33608

ntgaggaagt tccaactctg aagaaacaaa ctttttttg ccattntgag ggagctcagg 60  
atgaggaaga gaaggaacaa tcccctcaag gtgaggaaca agtgtcgaaa gcggccctt 120  
ttaagaagcc actggactat ggctttttt atgaaacctc aaaacacttt tctatgaaag 180  
agaagaacga tgaggaatac cattttgagc ctcaaaatga ggtactatca gtcgatgaat 240  
gtggtaatc tgctcagaat taagaagctg aagatcataa cacaagagct taaaatgcta 300  
gatattagaa tgaatacatt caccctatg aggggttaaa ggctgttaaa gctcataaga 360  
ctatggttc tgaacctata caagaggatg caaatgtgaa gatcattcta at 412

<210> 33609  
<211> 445  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33609

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agtgaaattt acattaaatt caataagaag gcttctattt agcacaatg aaaactaaaa 120  
tagaaatatt tacaatccta ccaaaaatta accataaatt gggagatttta tttacattnt 180  
ggaaactttt ctataaaaa aattagtcat aaaagatgac taacaccacc tgtgatcgat 240  
taaataatca atgtaatcga ttgtttcgaa gaattaatca attatntat catttcaatc 300

tatcanagtg ttattcccaa catctagaaa gctctcaaga acaaagtaat cgattagatt 360  
cttgatgtaa tcgattaaag tggatcttgc cactnttggg aacactnnta agaacaagg 420  
aatcgattag gatcacctgg taatc 445

<210> 33610  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33610

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gatagggtgt ccgctaccac aatttcagaa cctttttgc ctttgatgac taaatcaa 120  
tcttgaagca gcagtatcca tctgatcaat cgtggcttgg aatcaacttt gcataacaaa 180  
tattttattt ctgcgtgatc agagtaaattc actatctttg atcccaccag ataagatcaa 240  
aatttctcaa gtgcaaacac aattgtcagt aattctttct caatggtggc atagttatc 300  
tgagcatcat tcaaaactct gctagcgtaa tagatgcgat gaaacattct gctttctgc 360  
tgccccagca cagcacctac tgcataatca gttgcatcac acatcaattc aaactcttgc 420  
cgctagtctg gtgctgtaat cacaag 446

<210> 33611  
<211> 289  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33611

agcttncatt ctggttatt attgtttca atctaaagaa gtcttcaca ttcgacattc 60  
aagttctcga tgataagaat gtcatacgac gatttcgagc ttcagatttc tcagcgtgt 120  
actctgccca tgtctgcgtg tctgattatt atgaacacaa cttcagatgt ttatctgctt 180  
ctggggtttt tatgtgcattt agtgctcgct cctacccaaat atccagagcc tcgactttct 240  
gacttaggaac atttggcat gatttttattt tttaggtcat tgtattcta 289

<210> 33612  
<211> 465

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33612

aagtcttcctt aanaatatttt tgcttagtatt tataatgtttc acaggggggg aaatccactt 60  
gattcaaactt ggacaaagca aataatttc ttggcataca tccttatgct catttatcaa 120  
caaccccatg agagaagaat gagtcttc tatctcattt tggctgtaac tcatctcatc 180  
tatgtaacga ctgcgcctttt ctacatgttc attagaaaac tgatataacc aaaaacttta 240  
ttttacctca tgtacaactc tccacatcaa ttcatttatg aacacacata tgacattttc 300  
acattnaaca aaccatcatc taaaacctca caacttcaac gtaatgcac tatacactaa 360  
tatcaactga atagagccat gtattctggg cactacaaca tgttatcata agatacaaca 420  
tcatcagcac taaacaccca actattttaga actatataca cactc 465

<210> 33613  
<211> 373  
<212> DNA  
<213> Glycine max

<400> 33613

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ttccactcat ataacaagag aaagaaaact tccaatgata gctaacaata gacaagaagg 120  
gaacttcccc tatcatagac tgggagaaag cacatagaaa acaaccgaaa tgtccagtca 180  
agaatggcaa aagtcaaaag gaataagata acgaaaaaaag ctctgacaag gatcaatgat 240  
aacagaaaaa tgtcataagg tcttgaccga catatctgaa caatcaaatg cacctatgac 300  
aaaagaagaa ggcccacacc taaaggcttt ccttgataca acaaatccgg cgctacactt 360  
tcgccccata aaa 373

<210> 33614  
<211> 578  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33614

ccacccccc cccttatctc gncgtacnat acagctantc tctctcctac acccncccc 60

cccgcgctc gggtganctt ganaccctcg aaactccgaa ntaannaaat ccannnacaa 120  
naacagagca aacnnnaat ttatgggta tttgcgtga gagaccgcgc tatagcgtat 180  
atataccatc atgtacctcg acttttagaa attaaatcg caccatcaa aagggggaga 240  
ttgtccaagc aacaacttcg atgtttgtat gatgccaaag gaccatgtgc ttctaaagct 300  
caattcaaaa cgatcatgct cttatcaagt ctaatctcag accaaaaacc atgaaattca 360  
agagacatga ccaagatcaa ctctacagac gtatgaatgg acactccagt tgaaacagca 420  
aaccgtctgg ccaaagaata taagttaca cgtcttaca agagacttac tctctgcgaa 480  
tcgactgcta gacgattaaa tcgaccacca ctgcgc当地 acgaattcga actatctata 540  
gcagctatta cacatctgaa ttcaatctac aatgcgccc 578

<210> 33615  
<211> 427  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33615  
  
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gttaatcata ccgttatatgt gtccatgctg aaggatgttc gttctttac agttaatata 120  
ttcattcccc aacgtatata ctctattagt tcttaccgt tgcttaagat caaaaccact 180  
aatgaanat attgtatgg actctaggat atgaaaaaaaa atcatgtcg aaagagaata 240  
ttcactgtga gtttactcat agtctctaac acatagttgt cactgctcta agcaagaaca 300  
acttcataatc aatatgatgt taaaatacaa tcgaagatac acacgcatgt gctgattgta 360  
ccaataacca ctctcaatnc taactaatgc acgagctgat actatcgact ataaatctt 420  
  
acccgat 427

<210> 33616  
<211> 343  
<212> DNA  
<213> Glycine max  
  
<400> 33616

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aatatagcag cgtgtgaata aagcggaacc ttttatctta cttttacttt taaacaagtg 120  
ggtagcctt ccaaaaagtaa cagtgaatac tacaatatac cagctctaaa ctactaatct 180  
ctatgttctg catggaaact catgctactg caatatgatc agtggtcaaa attatatacc 240  
atactatgac aaattcatca tccgaccaca atcgatgtca tcgacagtgc gtgatacaca 300  
tcagggattc tattattgaa atatacaaca attggtaaca aaa 343

<210> 33617  
<211> 434  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33617

atcttgtgtt atcaatggaa tccaagattc catttgacat aagtcgttca attntgttct 60  
tagaaaaggta acctaaggcac ttgtgtcata atgctcctga gtttatatta tcaattctac 120  
gcttagtacc acacaattct gcattaaagg attcaccata ngaagctaca gtatcaagta 180  
aatatcaatt atcattagcc aagagtgaac tggttccaac aatatctgaa ttgaaagaca 240  
acctaaatac attgtttcca aatgaacata agtaacccaa tttgttcaaa taagaaaactg 300  
aaaccaaatt ccatctaaat gacagtacaa caaaagtgtc tttcanagta agaaacactg 360  
atgttagtag tggcaccaga atctaaccac caagtgttcc taggtactgg agctaaattg 420  
acctcagaac agac 434

<210> 33618  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33618

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cggtggcgcg acaagacgag acgccgaacg cgcaacaatg cactacgccc ttccggccgag 120  
gtcgcggngg tgcgacggag atgcatgcaa acggaagagg tcacagcaag gtcacggtag 180  
atcgaaattn tagagaaacg gggaaagcggg agctcgagtg cgagtgttca tgaattagca 240  
cgaaaaaacct tataaacctc aatgttaacg atgatggctc aagaaaaacg tccttgacat 300

tcaaaatttc aacgacggtg ttttcaaata cactgtctta acttacacctc tgcacaacct 360  
acaaagacag acaccccggt caacgttgaaatgtgtca cgtccatgc acatggcaca 420  
taaaaatggtg acatatttac gga 443

<210> 33619  
<211> 431  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33619

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ttattgtat catctcttcc tccgtcattt gagatgccac ttgagctgcc aggtctttc 120  
acctttgggt gtattcttg aaagatttgt gcccctttt gcacatgttc ttagttgca 180  
tcctatccgg agccatatca ggattgcact gatactgcct aacgaaggca accattagg 240  
ccttccaata atggactcgg gaaggttcca agttagtgta ccangtagca gctaccctag 300  
taagactntc ttgaaataaa tgtatcaata gttcctcatc ttttgttat gctcccatct 360  
tccgacaata catctntaga tggttcttgg ggcaagttagt ccacttgtac ttgtcanagt 420  
ctggcacatt g 431

<210> 33620  
<211> 458  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 33620

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cttctttgag aagcttagatc cttatctatc cacacccctc tattaactaa attaacttcc 120  
ttaaaaataaa ttacggatga aaataacgca acaaataatc aaacatcaaa cataattact 180  
aataatatat agatatatat atcaagggtt tacagtcccc ggacgaaatt agggtatgac 240  
atatcctctg gtcattgatt accaaagaga aaataccata tatttgaat cacaattn 300  
ttttataaaaa tatccttgg ctaaacctgt gcattgttg tcggtaata cgattaactt 360  
ttgtgtataa aaattgtata aattatatac acctctccca atctatgcgt atttgttagt 420

gttataagta ttttatgcta agcatacgta ataaatac

458

<210> 33621  
<211> 329  
<212> DNA  
<213> Glycine max

<400> 33621

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catggatgct atggtgccaa gcacattacc catctgattt tcctctctac gaatgtggtg 120  
gaaagagacc tcatcaagaa ctcaatcagt ttcttgatgt acgcctgata gggtatcaac 180  
tagagatccc tagttccca ttctccctc agctggcgaa ttaccaaggc tgagtctctg 240  
tacactataa gcaatatgac attaaagtca attgccactt ggattccgac ggcacatgcc 300  
tcatactcag ccatagttatt cgtgcaatc 329

<210> 33622  
<211> 444  
<212> DNA  
<213> Glycine max

<400> 33622

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cactggtaat cgattacatc ctctggtaat cgattaccat agagtaaatc tcttgaaaaa 180  
gacttttaa ctgcacatctc ttggccaaac ctggctac ttcaattaag aattcccttc 240  
ctatttaata tacccttcct aagactctag agactgtctt gatcatccat cttgaatatc 300  
ttaattact ttgtcttgaa taaagcttg agaagcatgt gatcctctg cgtcatgaaa 360  
acattcacct tgatcctttg tctacaatct ccgcctgtgc gatgatgaca atactgaaa 420  
taagacaagc tatatacaat atga 444

<210> 33623  
<211> 253  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 33623